HT-DDW740/DDW840

SERVICE MANUAL

Ver 1.1 2003. 09

US Model
Canadian Model
AEP Model
UK Model
E Model

- HT-DDW740/DDW840 are composed of following models. As for the service manual, it is issued for each component model, then, please refer to them.

COMPONENT MODEL NAME

	HT-DDW740	HT-DDW840
AMPLIFIER	STR-K740P	STR-K840P
SUB WOOFER SPEAKER	SA-WMSP2	SA-WMSP4
PACKAGE SPEAKER	SS-CRP2	
CENTER, FRONT SPEAKER	SS-CNP2	
SURROUND SPEAKER	SS-MSP2	

PARTS LIST

Part No.	Description	Remarks
	ACCESSORIES	
	**********	
1-477-123-12	COMMANDER, STANDARD (RM-PP411) (INCLUDING BATTERY COVER)	
1-501-374-11	ANTENNA, LOOP (AM)	
1-501-594-11	ANTENNA (FM)(EXCEPT US,CND,E,MX)	
⚠ 1-569-008-21	ADAPTOR, CONVERSION 2P (E)	
1-751-347-11	CORD, CONNECTION (10m)(FOR SPEAKER)	
1-769-329-21	CORD, CONNECTION (PIN-PIN) (MONAURAL CORD)	
1-769-433-61	CORD, SPEAKER (3.5m)(FOR SPEAKER)	
⚠ 1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
1-793-184-21	CONNECTOR (F TYPE ADAPTOR WITH WIRE) (FM)(US,CND,E,MX)	
1-823-135-11	CORD (CONNECTION)(COAXIAL DIGITAL CORD)	
4-235-191-01	FOOT (SPK)(FOR SS-CNP2/MSP2)	
4-235-237-01	FOOT (FOR SA-WMSP2/WMSP4)	
4-238-377-11	INSTRUCTION MANUAL (ENGLISH)(EXCEPT MX)	
4-238-377-21	INSTRUCTION MANUAL (ENGLISH) (AEP,CND,E,MY,SP)	
4-238-377-31	INSTRUCTION MANUAL (SPANISH)(AEP,AR,E,MX,MY,SP)	
4-238-377-41	INSTRUCTION MANUAL (CHINESE)(E,MY,SP)	
4-238-377-51	INSTRUCTION MANUAL (GERMAN,DUTCH,SWEDISH)(AEP)	
4-238-377-61	INSTRUCTION MANUAL (ITALIAN,POLISH) (AEP)	
4-240-465-11	INSTRUCTION MANUAL (DANISH)(AEP)	
4-240-465-21	INSTRUCTION MANUAL (PORTUGUESE)(AEP)	
4-240-465-31	INSTRUCTION MANUAL (RUSSIAN)(AEP)	

- Abbreviation
  AR : Argentina model.
  CND : Canadian model.
  MX : Mexican model.
  MY : Malaysia model.
  SP : Singapore model.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

FM STEREO FM-AM RECEIVER

9-873-597-02
2003I16-1
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Sony Corporation
Home Audio Company
Published by Sony Engineering Corporation

SONY

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2002.02	New
1.1	2003.09	Addition of REMOTE CONTROL COMMANDER on PARTS LIST (SPM-03095)

STR-K740P/K840P

SERVICE MANUAL

Ver 1.2 2003. 09

US Model
Canadian Model
AEP Model
UK Model
E Model

Photo : STR-K840P (SILVER model)

• STR-K740P/K840P are the tuner and the amplifier section in HT-DDW740/DDW840.

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SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 8 ohm loads, both channels driven, from 40 – 20,000 Hz; rated 100 watts (STR-K840P only)/80 watts (STR-K740P only) per channel minimum RMS power, with no more than 0.09 % total harmonic distortion from 250 milliwatts to rated output (Models of area code U only).

Amplifier section

POWER OUTPUT
Models of area code U, CA
Rated Power Output at Stereo Mode
(8 ohms 40 Hz – 20 kHz, THD 0.09 %)

STR-K840P:	100 W + 100 W
STR-K740P:	80 W + 80 W

Reference Power Output
(8 ohms 1 kHz, THD 0.7 %)

STR-K840P:	FRONT[1]:100 W/ch
	CENTER[1]: 100 W
	SURR[1]: 100 W/ch
STR-K740P:	FRONT[1]: 80 W/ch
	CENTER[1]: 80 W
	SURR[1]: 80 W/ch

Models of area code CEL,CEK
Rated Power Output at Stereo Mode
(8 ohms 1 kHz, THD 0.7 %)

STR-K840P:	100 W + 100 W[2]
STR-K740P:	80 W + 80 W[2]

Reference Power Output[2]
(8 ohms 1 kHz, THD 0.7 %)

STR-K840P:	FRONT[1]: 100 W/ch
	CENTER[1]: 100 W
	SURR[1]: 100 W/ch
STR-K740P:	FRONT[1]: 80 W/ch
	CENTER[1]: 80 W
	SURR[1]: 80 W/ch

Models of area code AR, SP
Rated Power Output at Stereo Mode
(8 ohms 1 kHz, THD 0.7 %)

STR-K840P:	90 W + 90 W

Reference Power Output[2]
(8 ohms 1 kHz, THD 10 %)

STR-K840P:	FRONT[1]: 120 W/ch
	CENTER[1]: 120 W
	SURR[1]: 120 W/ch

Models of other area code
Rated Power Output at Stereo Mode
(8 ohms 1 kHz, THD 0.7 %)

STR-K840P:	100 W + 100 W[2]
STR-K740P:	80 W + 80 W[2]

Reference Power Output[2]
(8 ohms 1 kHz, THD 10 %)

STR-K840P:	FRONT[1]: 120 W/ch
	CENTER[1]: 120 W
	SURR[1]: 120 W/ch
STR-K740P:	FRONT[1]: 100 W/ch
	CENTER[1]: 100 W
	SURR[1]: 100 W/ch

1) Depending on the sound field settings and the source, there may be no sound output.
2) Measured under the following conditions:

Area code	Power requirements
E	240 V AC, 50 Hz
SP, CEL, CEK, AR	230 V AC, 50 Hz
MX	120 VAC, 60 Hz

— Continued on next page —

FM STEREO FM-AM RECEIVER

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Home Audio Company
Published by Sony Engineering Corporation

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Frequency response

MULTI CH IN[3], CD, MD/TAPE, DVD/LD, VIDEO 1, 2	10 Hz – 50 kHz +0.5/–2 dB (with sound field, and tone bypassed)

Inputs (Analog)

MULTI CH IN[3], CD, MD/TAPE, DVD/LD, VIDEO 1, 2	Sensitivity: 250 mV Impedance: 50 kilohms S/N[4]: 96 dB (A, 250 mV[5])

3) HT-DDW840 only
4) INPUT SHORT (with sound field and tone bypassed).
5) Weighted network, input level.

Inputs (Digital)

DVD/LD (Coaxial)	Sensitivity: – Impedance: 75 ohms S/N: 100 dB (A, 20 kHz LPF)
VIDEO 2 (Optical)	Sensitivity: – Impedance: – S/N: 100 dB (A, 20 kHz LPF)

Outputs

MD/TAPE (OUT), VIDEO 1 (AUDIO OUT)	Voltage: 250 mV Impedance: 10 kilohms
SUB WOOFER	Voltage: 2 V Impedance: 1 kilohms

Tone
Gain levels: ±6 dB, 1 dB step

FM tuner section

Tuning range 87.5 - 108.0 MHz

Antenna terminals 75 ohms, unbalanced

Intermediate Frequency
10.7 MHz

Sensitivity
Mono: 18.3 dBf, 2.2 µV/75 ohms
Stereo: 38.3 dBf, 22.5 µV/75 ohms

Usable sensitivity 11.2 dBf, 1 µV/75 ohms

S/N
Mono: 76 dB
Stereo: 70 dB

Harmonic distortion at 1 kHz
Mono: 0.3%
Stereo: 0.5%

Separation 45 dB at 1 kHz

Frequency response 30 Hz – 15 kHz, +0.5/–2 dB

Selectivity 60 dB at 400 kHz

AM tuner section

Tuning range
Models of area code U, CA
With 10-kHz tuning scale: 530 – 1710 kHz[6]
With 9-kHz tuning scale: 531 – 1710 kHz[6]
Models of area code E, AR, MX
With 10-kHz tuning scale: 530 – 1610 kHz[6]
With 9-kHz tuning scale: 531 – 1602 kHz[6]
Models of area code MY, SP, CEL, CEK
With 9-kHz tuning scale: 531 – 1602 kHz

Antenna Loop antenna

Intermediate Frequency
450 kHz

Usable sensitivity 50 dB/m (at 1,000 kHz or 999 kHz)

S/N 54 dB (at 50 mV/m)

Harmonic distortion 0.5 % (50 mV/m, 400 Hz)

Selectivity
At 9 kHz: 35 dB
At 10 kHz: 40 dB

6) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. Hold down PRESET TUNING + and press . All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

Video section

Inputs
Video: 1 Vp-p, 75 ohms

Outputs
Video: 1 Vp-p, 75 ohms

General

Power requirements

Area code	Power requirements
U, CA, MX	120 V AC, 60 Hz
CEL, CEK	230 V AC, 50/60 Hz
MY, SP, AR	220 – 230 V AC, 50/60 Hz
E	120/220/240 V AC, 50/60 Hz

Power consumption

Area code	Power consumption
U, MX	STR-K840P: 210 W STR-K740P: 180 W
CA	STR-K840P: 300 VA STR-K740P: 260 VA
CEL, CEK, MY, SP, E, AR	STR-K840P: 180 W STR-K740P: 155 W

Power consumption (during standby mode)
0.5 W

Dimensions 430 × 145 × 298 mm (16 7/8 × 5 6/8 × 11 6/8 inches) including projecting parts and controls

Mass (Approx.) 7.0 kg (15 lb 7 oz)

Design and specifications are subject to change without notice.

- Abbreviation
  U : US model.
  CA : Canadian model.
  CEL : AEP model.
  CEK : UK model.
  SP : Singapore model. (Malaysia model included.)
  MX : Mexican model.
  MY : Malaysia model.
  AR : Argentine model.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer: Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

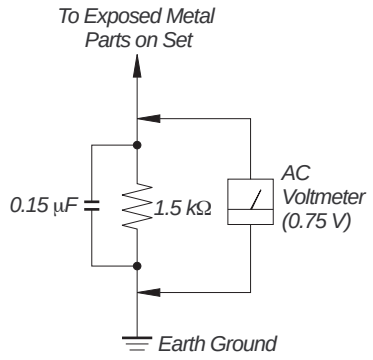


Fig. A. Using an AC voltmeter to check AC leakage.

Notes on chip component replacement
- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Unleaded solder

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size.)

: LEAD FREE MARK

Unleaded solder has the following characteristics.
- Unleaded solder melts at a temperature about 40°C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350°C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscous (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

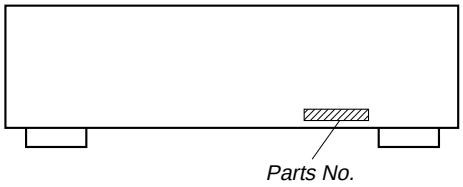
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

MODEL IDENTIFICATION
— BACK PANEL —



MODEL	PARTS No.
K740P : US	4-238-189-2☐
K740P : Canadian	4-238-189-3☐
K740P : Malaysia,Singapore	4-238-189-4☐
K740P : E	4-238-189-5☐
K740P : AEP	4-238-189-6☐
K740P : UK	4-238-189-7☐
K840P : US	4-238-193-0☐
K840P : Canadian	4-238-193-1☐
K840P : Malaysia, Singapore	4-238-193-2☐
K840P : E	4-238-193-3☐
K840P : AEP	4-238-193-4☐
K840P : UK	4-238-193-5☐
K840P : Argentine	4-238-193-8☐
K840P : Mexican	4-238-193-9☐

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SECTION 1
GENERAL

This section is extracted from instruction manual.

ALPHABETICAL ORDER

0 – 9

2 CH 26 (26)

A – D

A.DEC 28 (24, 26)
AM (Except for models of area code CEL, CEK) 32 (31, 32)
BASS +/– 25 (19, 30, 57)
CD 19 (22)
CINEMA STUDIO EX A, B, C 9 (25)
Digital Cinema Sound (indicator) 12 (24)
DIMMER 37 (23)
DISPLAY 2 (23, 34, 52)
Display 11 (23)
DVD/LD 21 (22)

E – L

ENTER 29 (36)
FM (Except for models of area code CEL, CEK) 33 (31, 32)
FM/AM (Models of area code CEL, CEK only) 32 (31, 32)
FM MODE (Models of area code CEL, CEK only) 33, (Except for models of area code CEL, CEK) 34 (32)
INPUT MODE 15 (22)
IR (receptor) 4 (39, 46, 52)
LEVEL 10 (16, 20, 28, 57)

M

MASTER VOLUME 23 (20, 50)
MD/TAPE 17 (22)
MEMORY 36 (31, 33)
MENU +/– 30 (16, 28, 36, 37, 57)
MENU </> 31 (16, 28, 36, 37, 57)
MODE 27 (25, 30, 51)
MULTI CHANNEL DECODING (indicator) (HT-DDW840 only) 7 (22)
MULTI CH IN (HT-DDW840 only) 14 (22)
MUTING 24 (22, 50)

N – S

NAME 8 (36)
PHONES (jack) 38 (22, 51)
PRESET/PTY SELECT +/– (Models of area code CEL, CEK only) 3 (33, 34)
PRESET TUNING +/– (Except for models of area code CEL, CEK) 3 (33, 54)
PTY (models of area code CEL, CEK only) 34 (34)
SET UP 6 (4, 16, 37, 57)
SHIFT 35 (33)
SLEEP (HT-DDW740 only) 14 (37)
SURR 13 (28, 57)

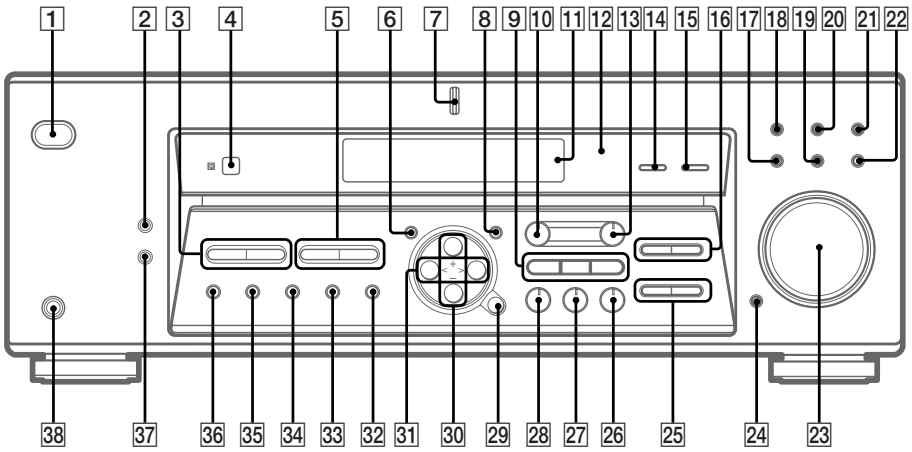
T – Z

TREBLE +/– 16 (30, 57)
TUNER 22 (22, 32, 33, 36)
TUNING +/– 5 (32)
VIDEO 1 18 (22)
VIDEO 2 20 (22)

BUTTON DESCRIPTIONS

I/⏻ (power) 1 (4, 15, 20, 21, 30, 31, 54)

- Abbreviation
  CEK : UK model.
  CEL : AEP model.



SECTION 2
TEST MODE

FACTORY PRESET MODE

* All preset contents are reset to the default setting.
* Procedure:
  While depressing the VIDEO 1 and the 2CH buttons simultaneously, press the power I/⏻ button to turn on the main power. The message "FACTORY" appears and switch off the set.
  While depressing the VIDEO 1 and the 2CH buttons simultaneously, press the power I/⏻ button again. The message "FACTORY" appears and the present contents are reset to the default values.

AM CHANNEL STEP 9 KHZ/10 KHZ SELECTION MODE

* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
* Procedure:
  Set the FUNCTION to AM. Turn off the main power.
  While depressing the TUNING+ button or the PRESET+ button, press the power I/⏻ button to turn on the main power. Either the message "9 k STEP" or "10 k STEP" appears. Select the desired step.
* For US/Canadian/E model only

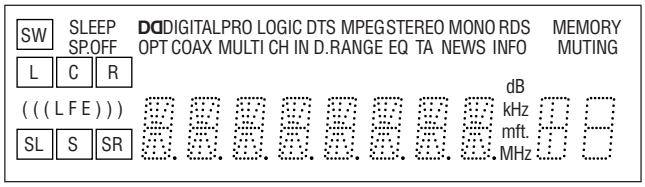
SPEAKER SIZE SELECTION MODE

*Either Normal Speaker or Micro Satellite Speaker can be selected.
*Procedure:
While depressing the LEVEL button, press the power I/⏻ button to turn the main power.
Either the message "NORM. SP." or "MICRO SP." is displayed. Select the desired speaker size.

FLUORESCENT INDICATOR TUBE TEST MODE

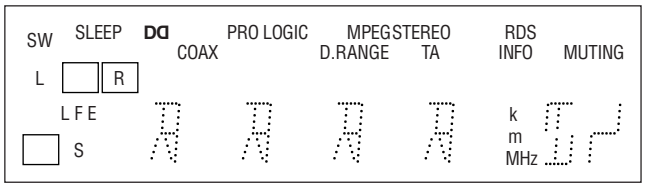
* All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.
* Procedure:
  While depressing the MD/TAPE and the SHIFT buttons simultaneously, press the power I/⏻ button to turn on the main power.

1. All segments turn on.



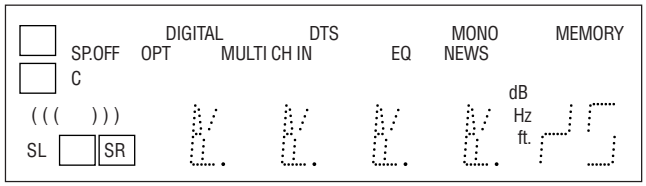
MULTI CHANNEL DECODING, Digital Cinema Sound, A.F.D., MODE, 2CH and SET UP LED turn on.

2. Press the VIDEO button, confirm display.



A.F.D., MODE, LEVEL, SET UP, and Digital Cinema Sound LED turn on.

3. Press the VIDEO button, confirm display



MULTI CHANNEL DECODING, 2CH, SURR and NAME LED turn on.

4. Press the VIDEO button, All segments turn off.

5. Every pressing of the VIDEO button turns on each segment and LED one after another in the same order.
   (Not only the VIDEO button, but also the other buttons such as DVD/LD, TV/SAT, MD/TAPE, CD, TUNER and AUX can be used.)

SOUND FIELD CLEAR MODE

* The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.
* Procedure:
  While depressing the MODE button, press the power I/⏻ button to turn on the main power.
  The message "SURR. CLR." appears and initialization is performed.

DEMONSTRATION MODE

* Demonstration is performed.
* Procedure :
  While depressing the SET UP button, press the power I/⏻ button. The message appears and demonstration is performed.
* To finish DEMONSTRATION MODE, press the power I/⏻ button while the introduction message appears in the display.

SOFTWARE VERSION DISPLAY MODE

* The software version is displayed.
* Procedure:
  While depressing the ENTER and the A.F.D buttons simultaneously, press the power I/⏻ button to turn on the main power. The model name, destination and the software version are displayed.

KEY CHECK MODE

* Button check
* Procedure:
  While depressing the VIDEO 1 and the SHIFT buttons simultaneously, press the power I/⏻ button to turn on the main power.
  "REST 39" appears. (AEP, UK, model: "RESET 38")
  Every pressing of any button other than I/⏻ and SPEAKERS counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed "REST 00" appears.
  When MASTER VOLUME is rotated in clockwise direction, "VOL MIN", "VOL 1" to "VOL 48", "VOL MAX" appear.

AUTO BETICAL MODE

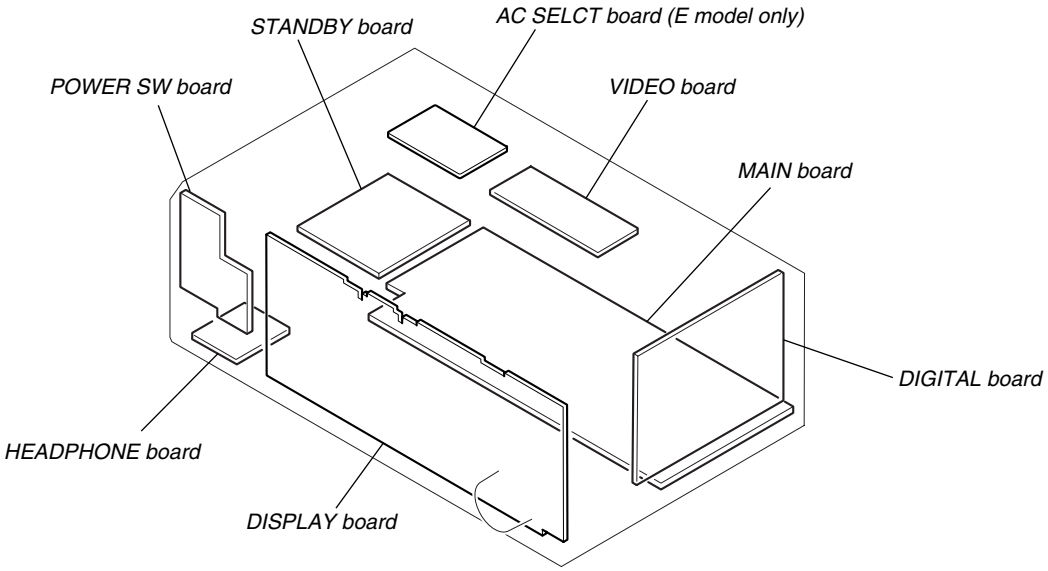
* This mode is installed in the Europe models only. When this mode is used, the receiver scans the broadcasts that can be received by the tuner, and sets up the broadcasts. Be sure to start scanning after connecting the antenna.

* Procedure:

1. Check that the antenna is connected.
2. Press the I/⏻ button to turn on the power while pressing the MEMORY button.
3. The message “AUTO-BETICAL SELECT” appears and the receiver starts scanning.

SECTION 3
DIAGRAMS

3-1. Circuit Board Location



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this necessary note is printed in each block.)

For schematic diagrams.
Note:

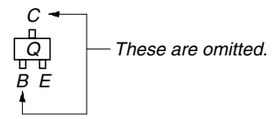
- All capacitors are in µF unless otherwise noted. p : pF. 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

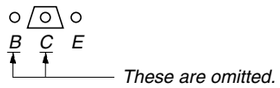
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line.
- : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  No mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
  : FM
  : CD (ANALOG)
  : DVD (DIGITAL)
- Abbreviation
  CND : Canadian model
  MY : Malaysia model
  SP : Singapore model
  AR : Argentine model
  MX : Mexican model

For printed wiring boards.
Note:

- : parts extracted from the component side.
- ○ : Through hole.
- △ : internal component.
- : Pattern from the side which enables seeing.



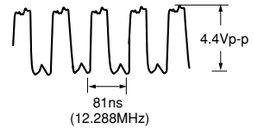


Caution:	
Pattern face side: (Side A)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side B)	Parts on the parts face side seen from the parts face are indicated.

• Waveform

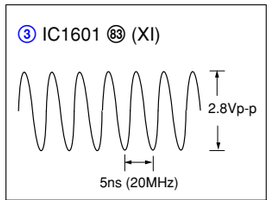
DIGITAL Board

① IC1101 ㉑ (XOUT)

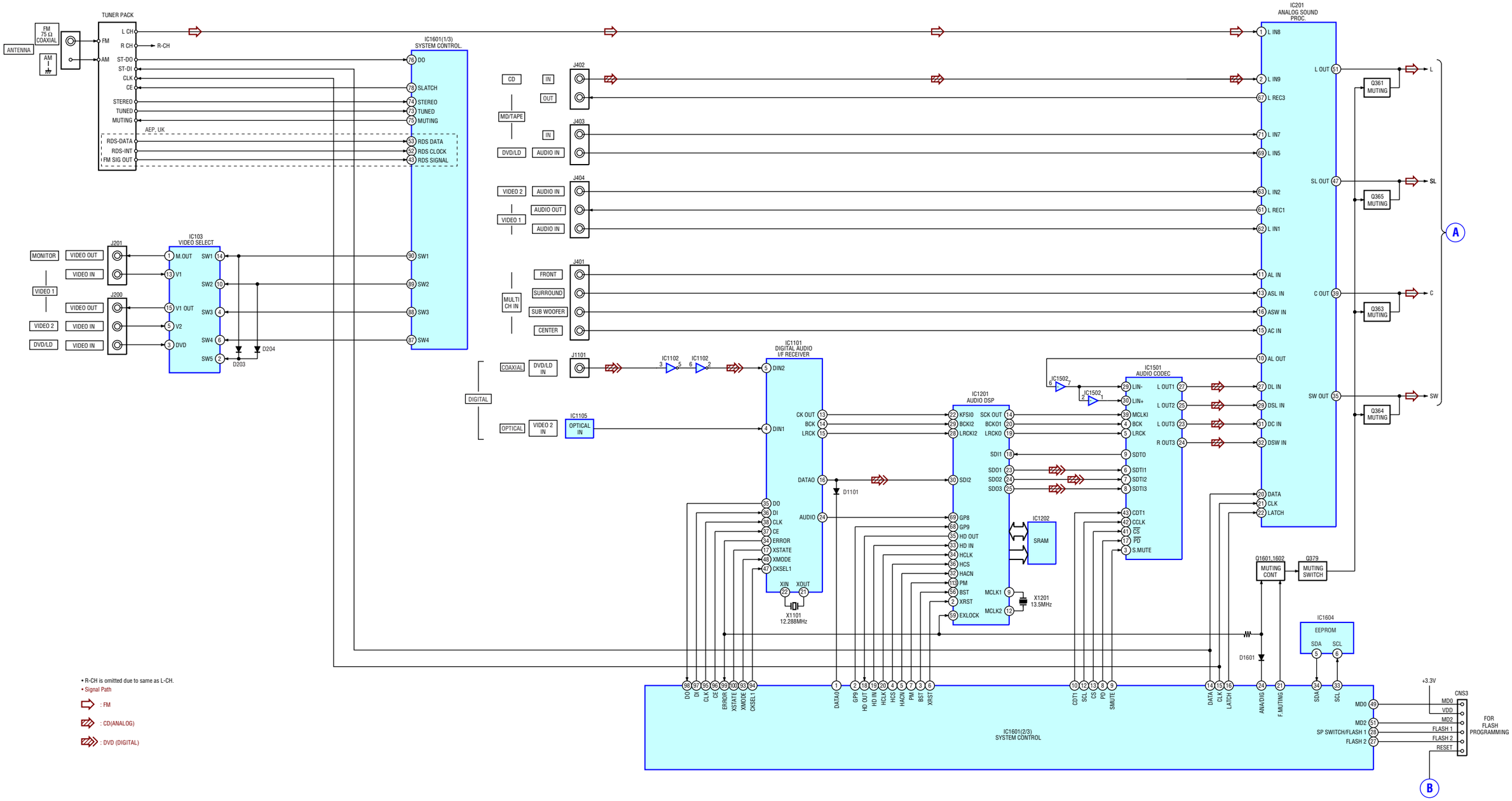


② IC1201 ⑨ (MCLK1)

③ IC1601 ㉝ (XI)



3-2. Block Diagrams – MAIN Section –



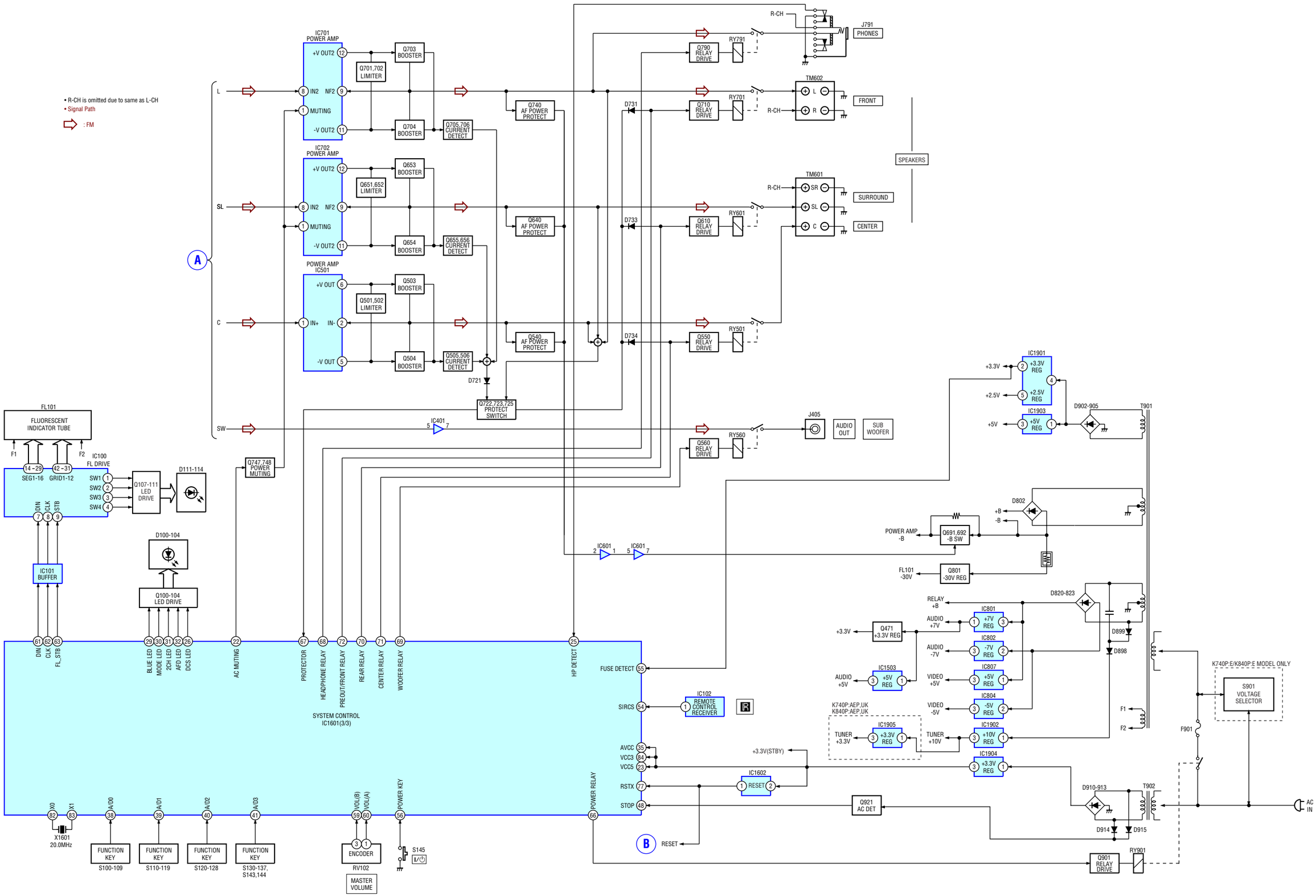
• R-CH is omitted due to same as L-CH.
• Signal Path

: FM

: CD(ANALOG)

: DVD (DIGITAL)

– DISPLAY/POWER Section –



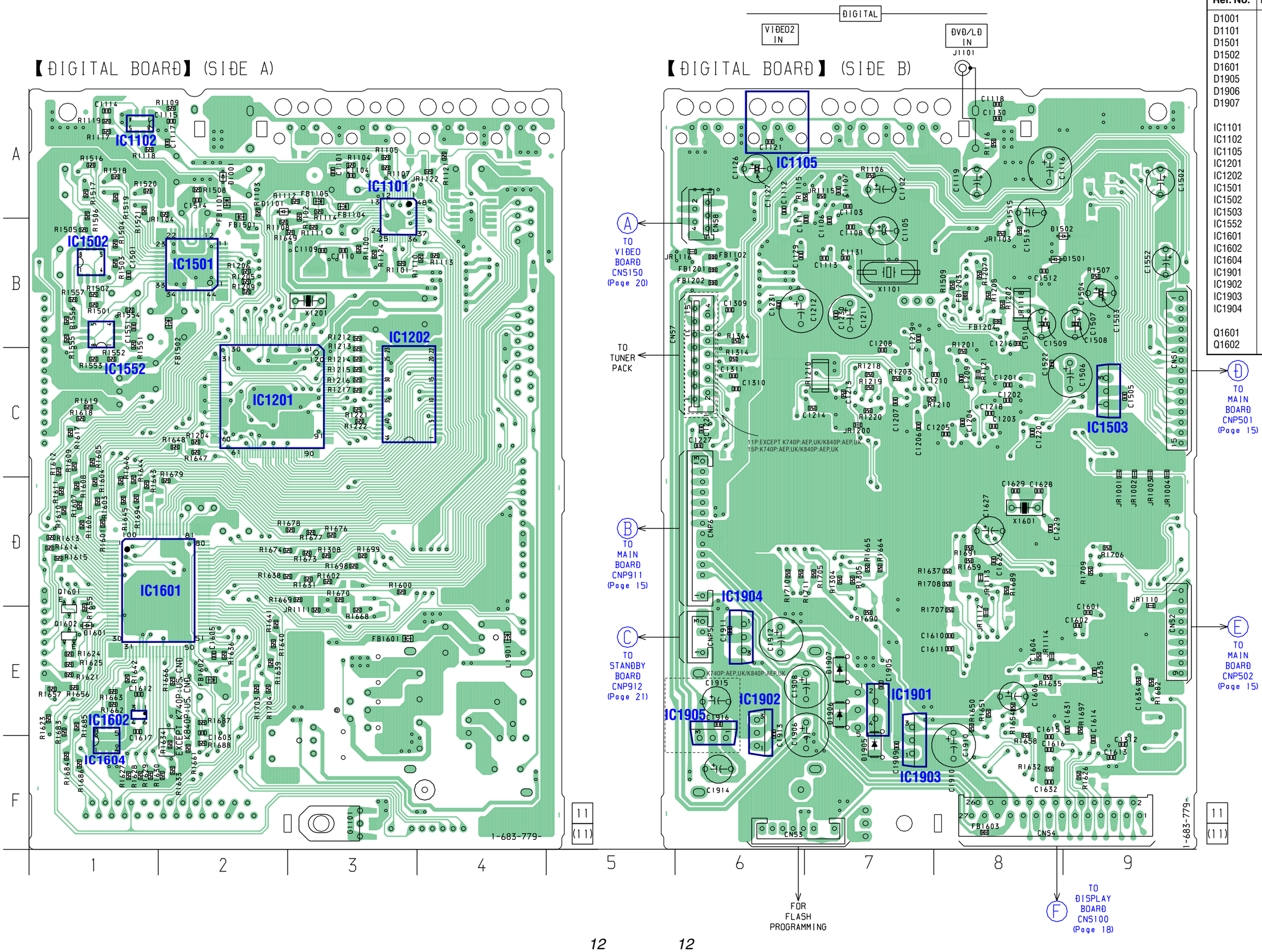
3-3. Printed Wiring Board – DIGITAL Section –

• : Uses unleaded solder.

• See page 8 for Circuit Boards Location.

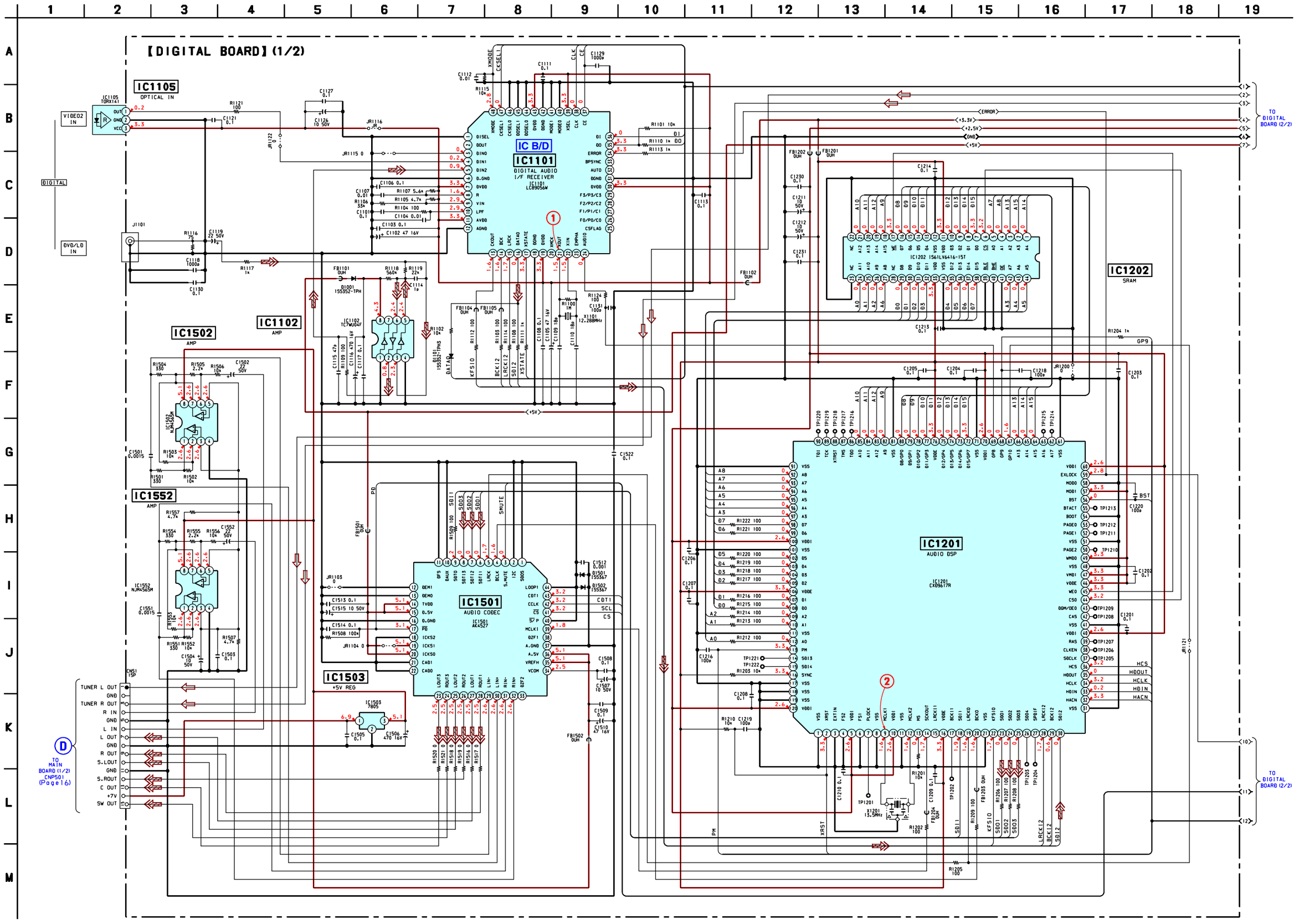
• **Semiconductor Location**

Ref. No.	Location
D1001	A-2
D1101	A-3
D1501	B-8
D1502	B-8
D1601	E-1
D1905	F-7
D1906	E-7
D1907	E-7
IC1101	A-3
IC1102	A-1
IC1105	A-6
IC1201	C-2
IC1202	C-3
IC1501	B-2
IC1502	B-1
IC1503	C-9
IC1552	B-1
IC1601	D-1
IC1602	E-1
IC1604	F-1
IC1901	E-7
IC1902	E-6
IC1903	F-7
IC1904	E-6
Q1601	D-1
Q1602	E-1



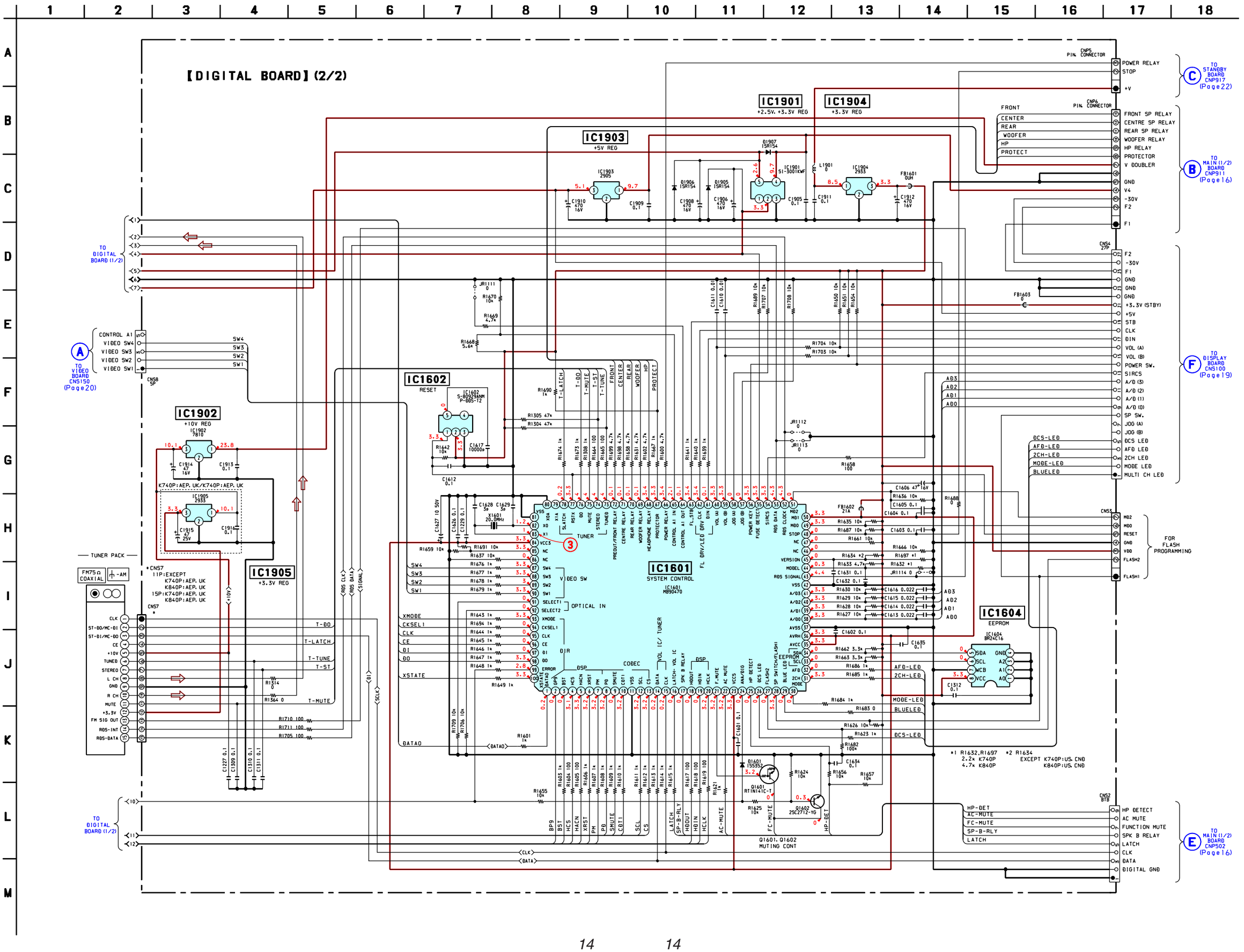
3-4. Schematic Diagram – DIGITAL Section (1/2) –

• See page 9 for Waveform. • See page 23 for IC Block Diagrams.



3-5. Schematic Diagram – DIGITAL Section (2/2) –

• See page 9 for Waveform. • See page 25 for IC Pin Function Description.

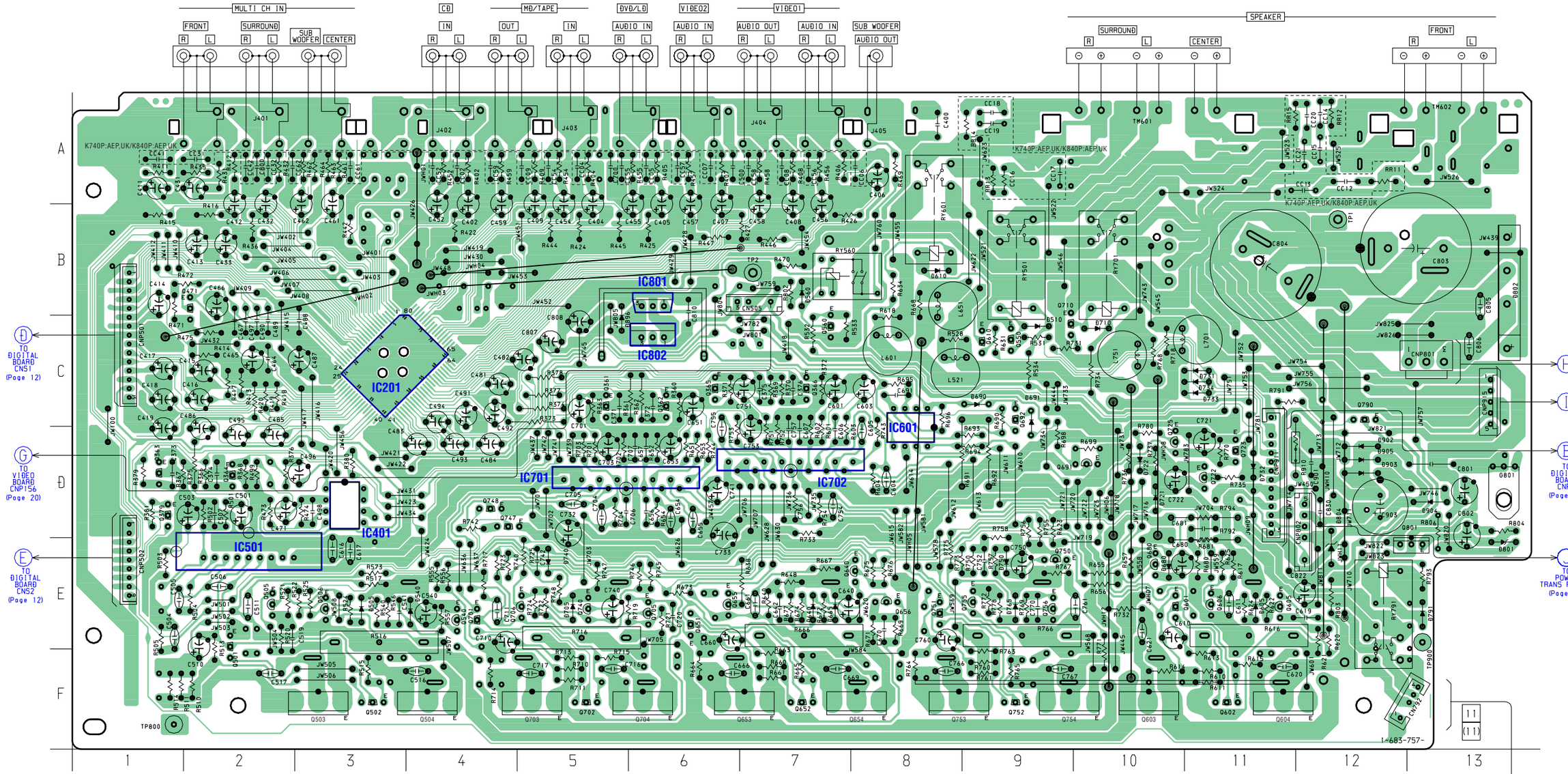


3-6. Printed Wiring Board – MAIN Section –

• : Uses unleaded solder.

• See page 8 for Circuit Boards Location.

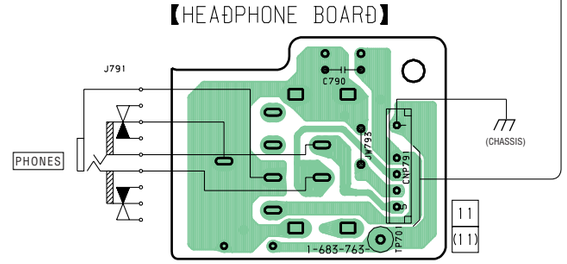
【MAIN BOARD】



• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	E-3	D733	C-11	IC201	C-3	Q361	C-5	Q601	E-10	Q701	E-4	Q754	F-9
D510	C-9	D734	C-11	IC401	D-3	Q362	C-6	Q602	F-11	Q702	F-5	Q755	E-9
D540	E-4	D740	E-5	IC501	E-2	Q363	D-1	Q603	F-10	Q703	F-5	Q756	E-9
D560	B-7	D750	E-9	IC601	C-8	Q364	D-2	Q604	F-11	Q704	F-6	Q790	C-12
D605	E-11	D765	E-9	IC701	D-5	Q365	C-6	Q605	E-11	Q705	E-6	Q801	E-12
D610	B-8	D791	E-13	IC702	D-7	Q366	C-7	Q606	E-11	Q706	E-5		
D640	E-7	D801	D-13	IC801	B-6	Q379	D-1	Q610	C-9	Q710	C-9		
D665	E-7	D802	B-13	IC802	C-6	Q471	B-2	Q640	E-7	Q722	D-11		
D680	E-10	D804	D-12			Q501	E-2	Q651	E-6	Q723	D-11		
D690	C-9	D896	C-5			Q502	F-3	Q652	F-7	Q725	D-10		
D691	C-9	D902	D-12			Q503	F-3	Q653	F-7	Q740	E-5		
D705	E-5	D903	D-12			Q504	F-7	Q654	F-8	Q747	D-4		
D710	C-10	D904	D-13			Q505	E-2	Q655	E-6	Q748	D-4		
D721	D-10	D905	D-12			Q506	E-3	Q656	E-8	Q750	E-9		
D722	D-10					Q540	E-4	Q680	E-10	Q751	E-8		
D731	C-11					Q550	C-9	Q691	D-10	Q752	F-9		
D732	D-11					Q560	C-7	Q692	C-9	Q753	F-8		

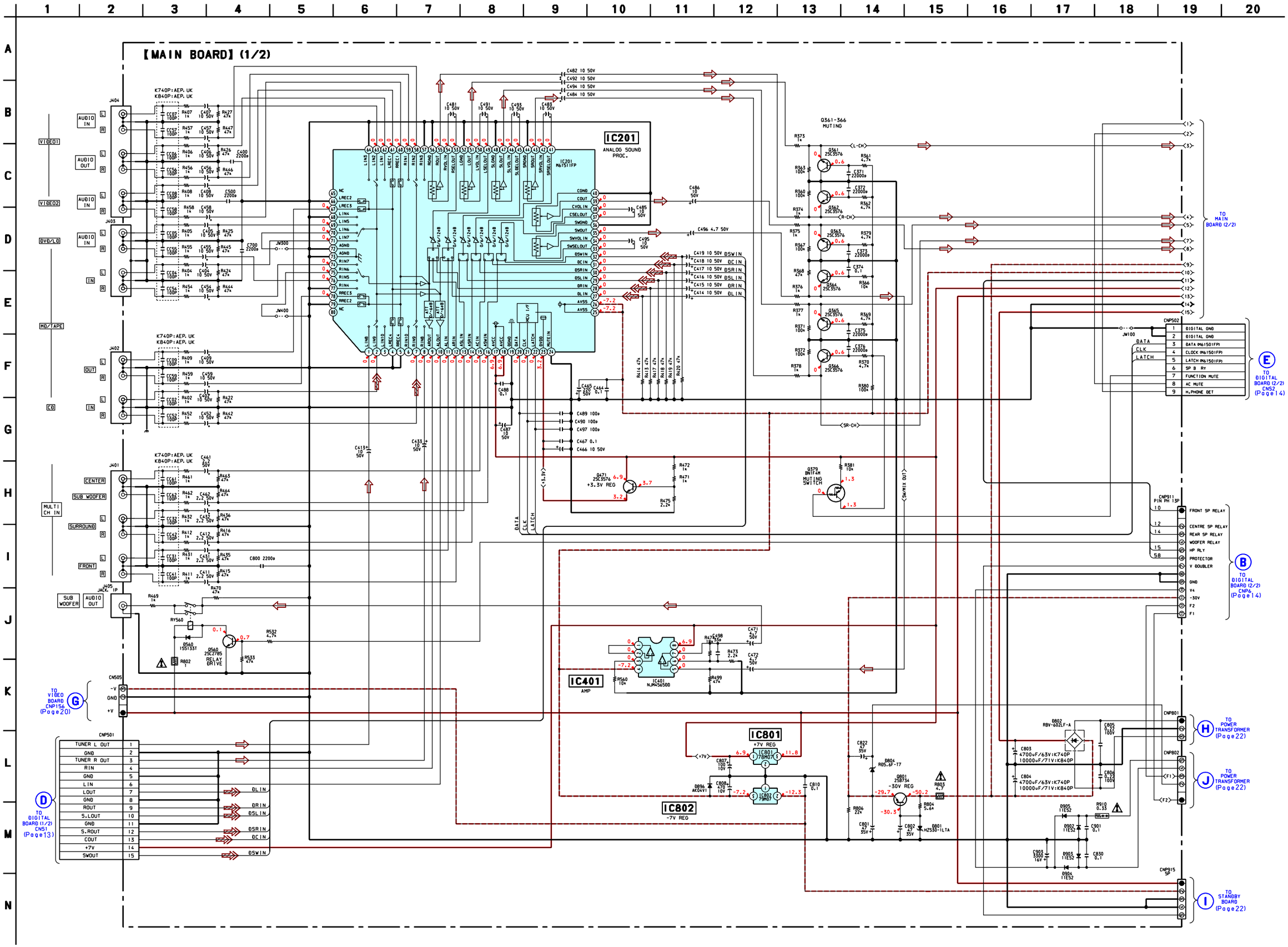
【HEADPHONE BOARD】



15

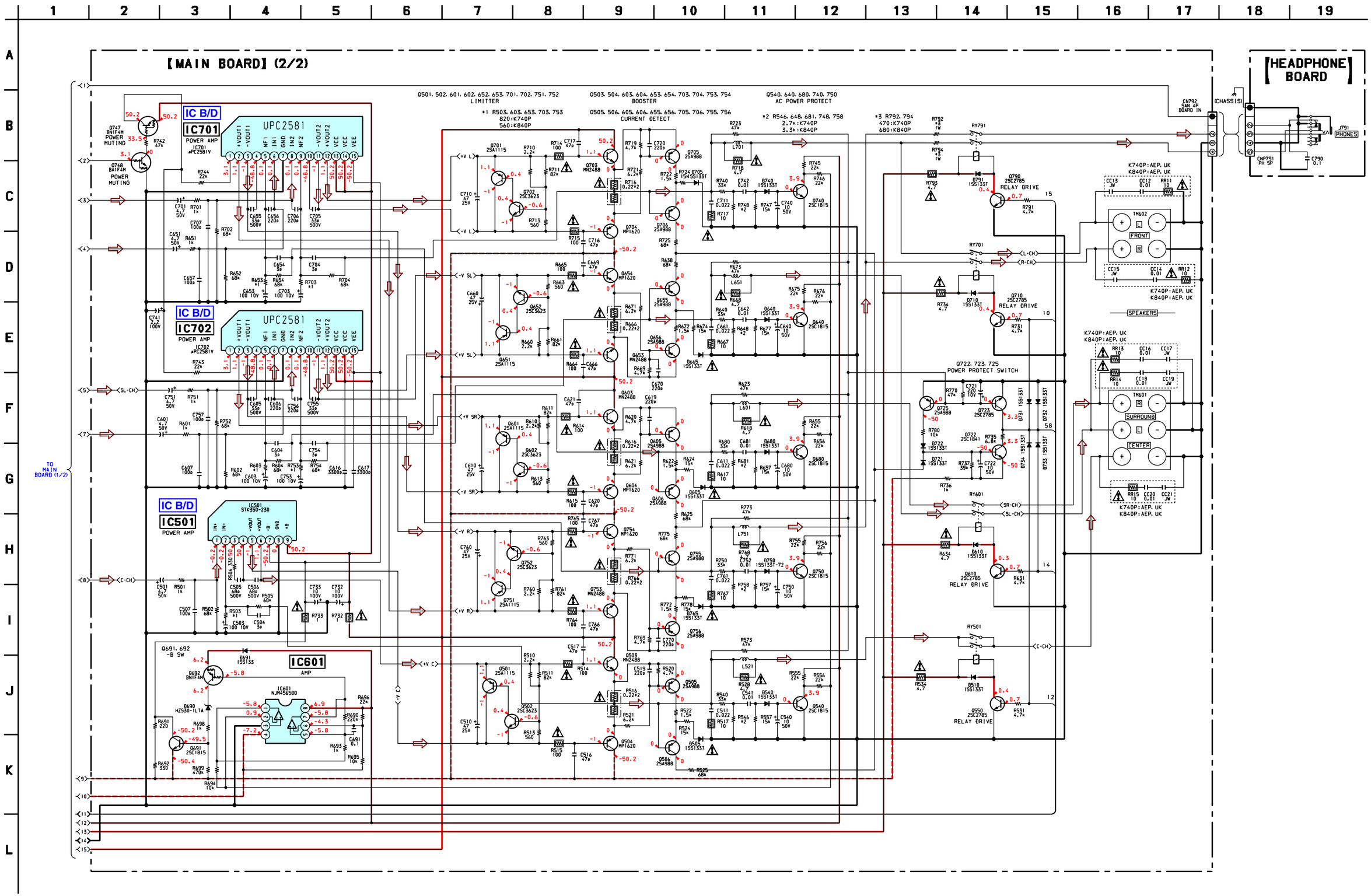
3-7. Schematic Diagram – MAIN Section (1/2) –

• See page 23 for IC Block Diagrams.



3-8. Schematic Diagram – MAIN Section (2/2) –

• See page 23 for IC Block Diagrams.



3-9. Printed Wiring Board – DISPLAY Section –

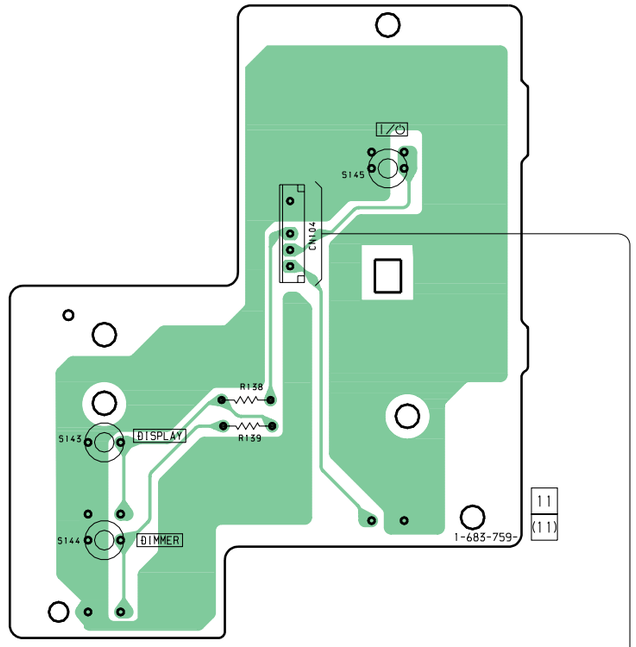
• : Uses unleaded solder.

• See page 8 for Circuit Boards Location.

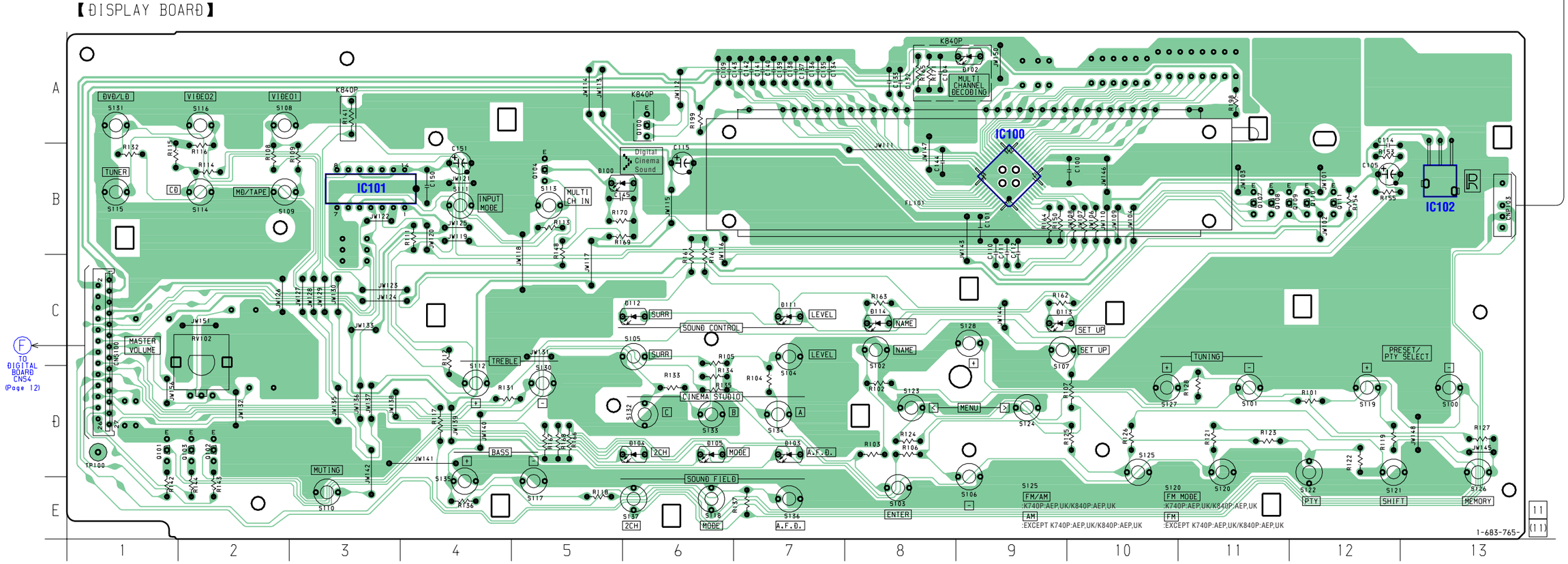
• **Semiconductor Location**

Ref. No.	Location
D100	B-6
D102	A-9
D103	D-7
D104	D-6
D105	D-6
D111	C-7
D112	C-6
D113	C-9
D114	C-8
IC100	B-9
IC101	B-3
IC102	B-13
Q100	A-6
Q101	D-1
Q102	D-2
Q103	D-2
Q104	B-5
Q107	B-11
Q108	B-11
Q109	B-11
Q110	B-11
Q111	B-12

【POWER SW BOARD】

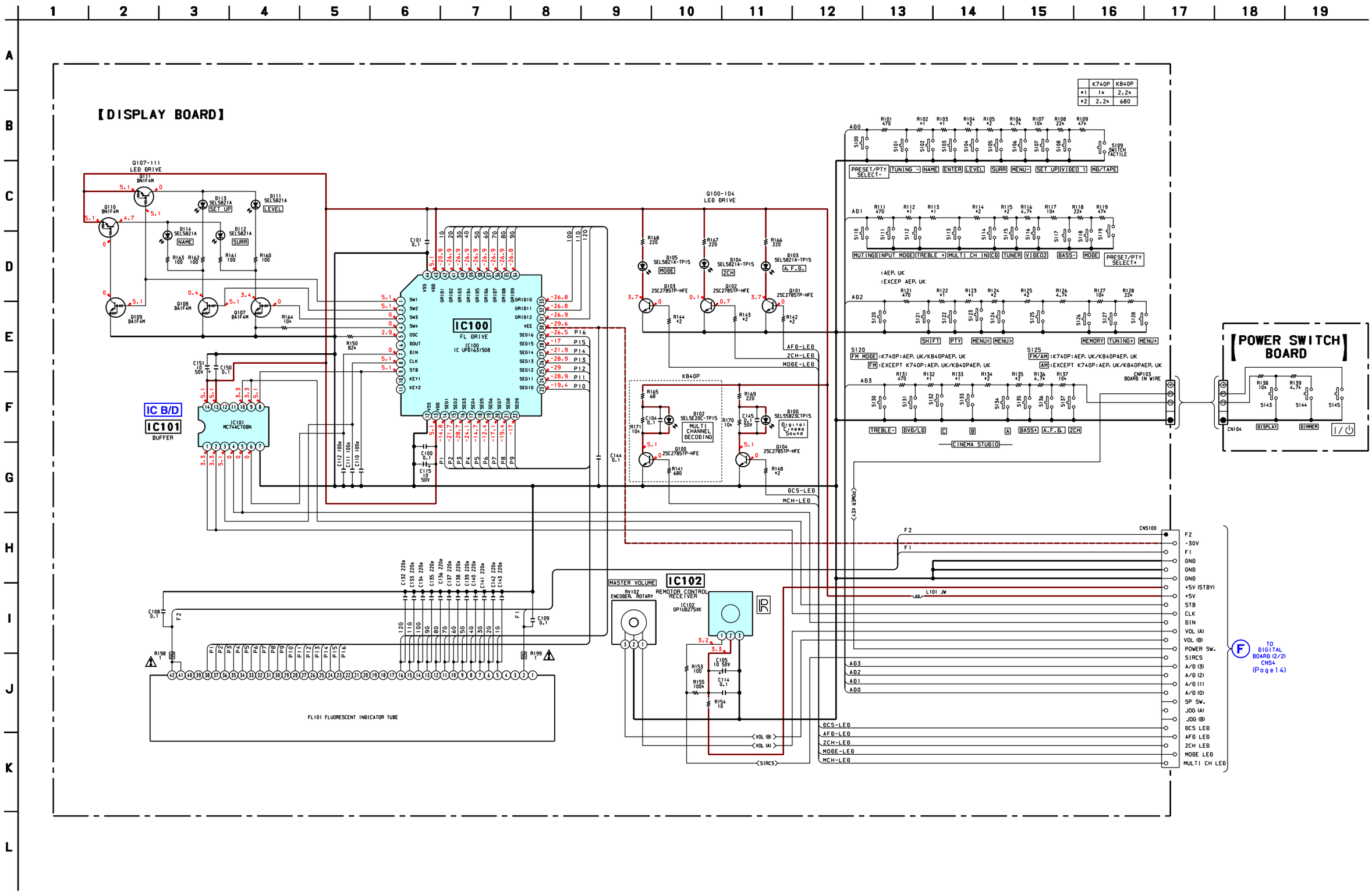


【DISPLAY BOARD】



3-10. Schematic Diagram – DISPLAY Section –

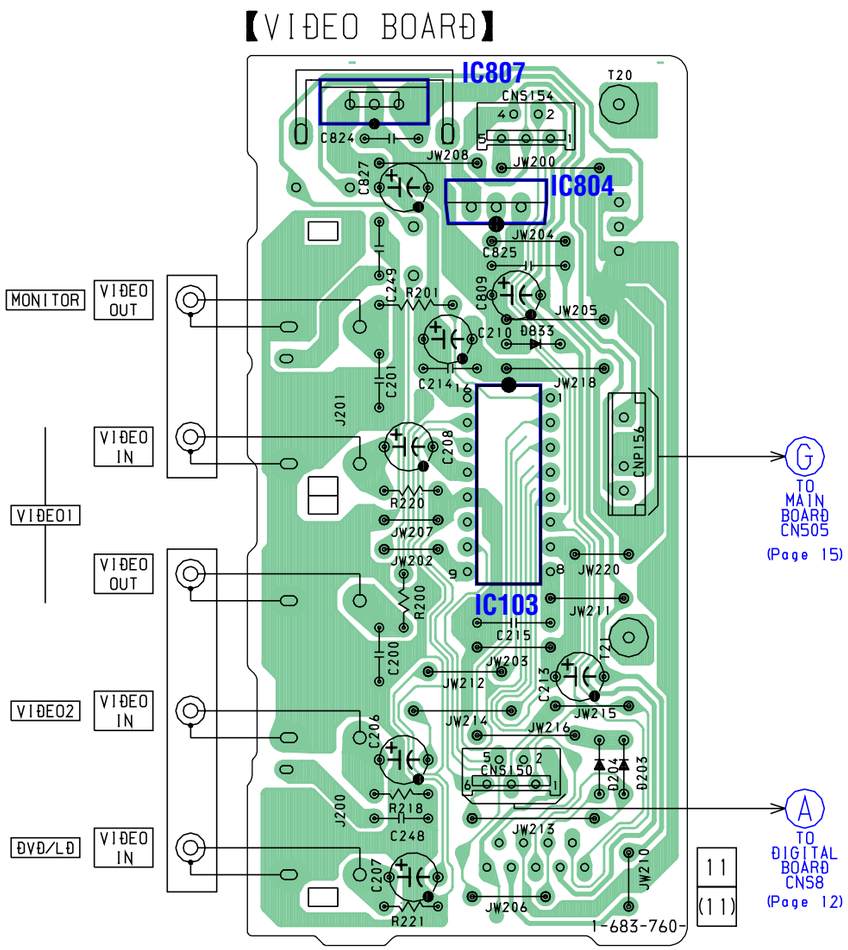
• See page 24 for IC Block Diagrams.



3-11. Printed Wiring Board – VIDEO Section –

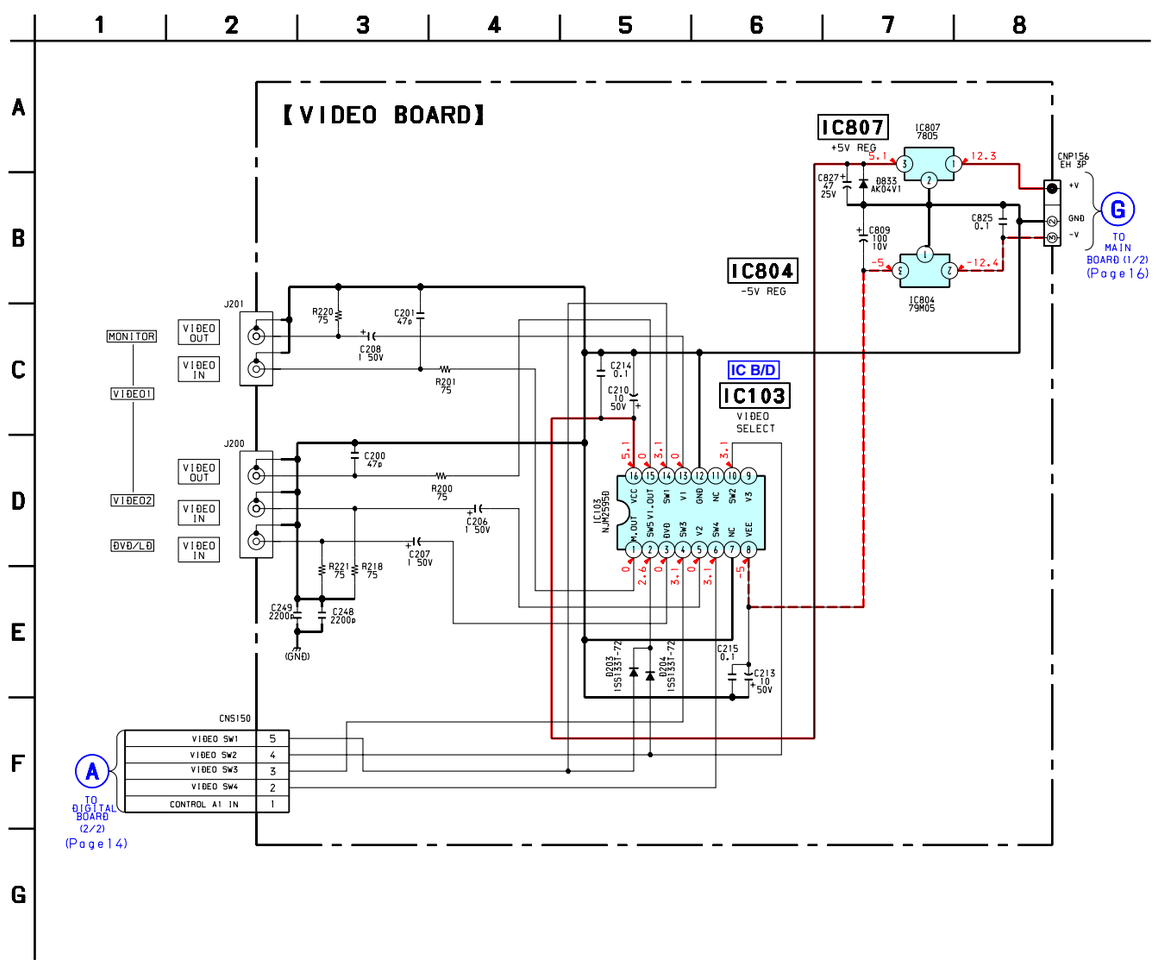
• See page 8 for Circuit Boards Location.

• : Uses unleaded solder.

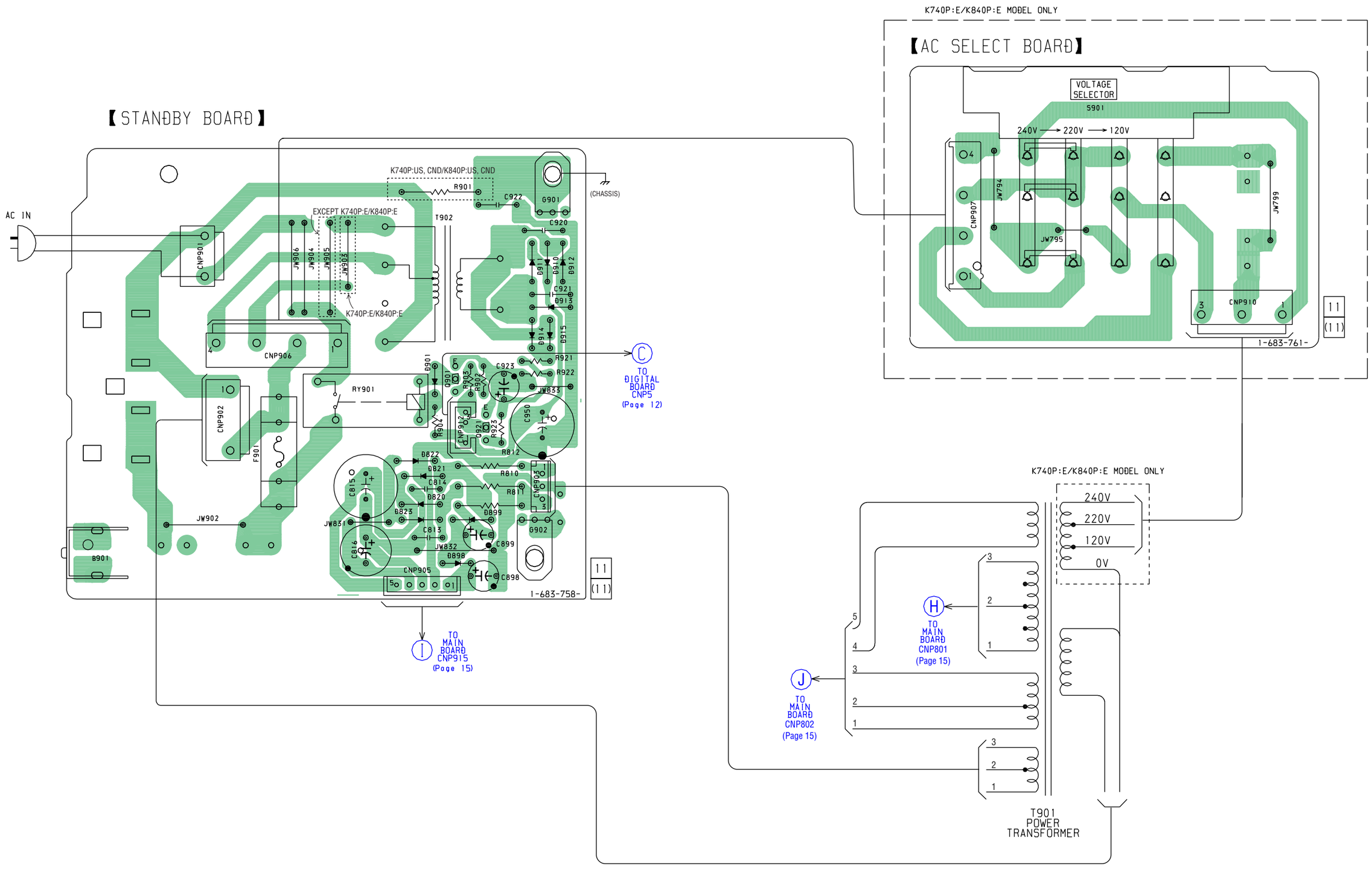


3-12. Schematic Diagram – VIDEO Section –

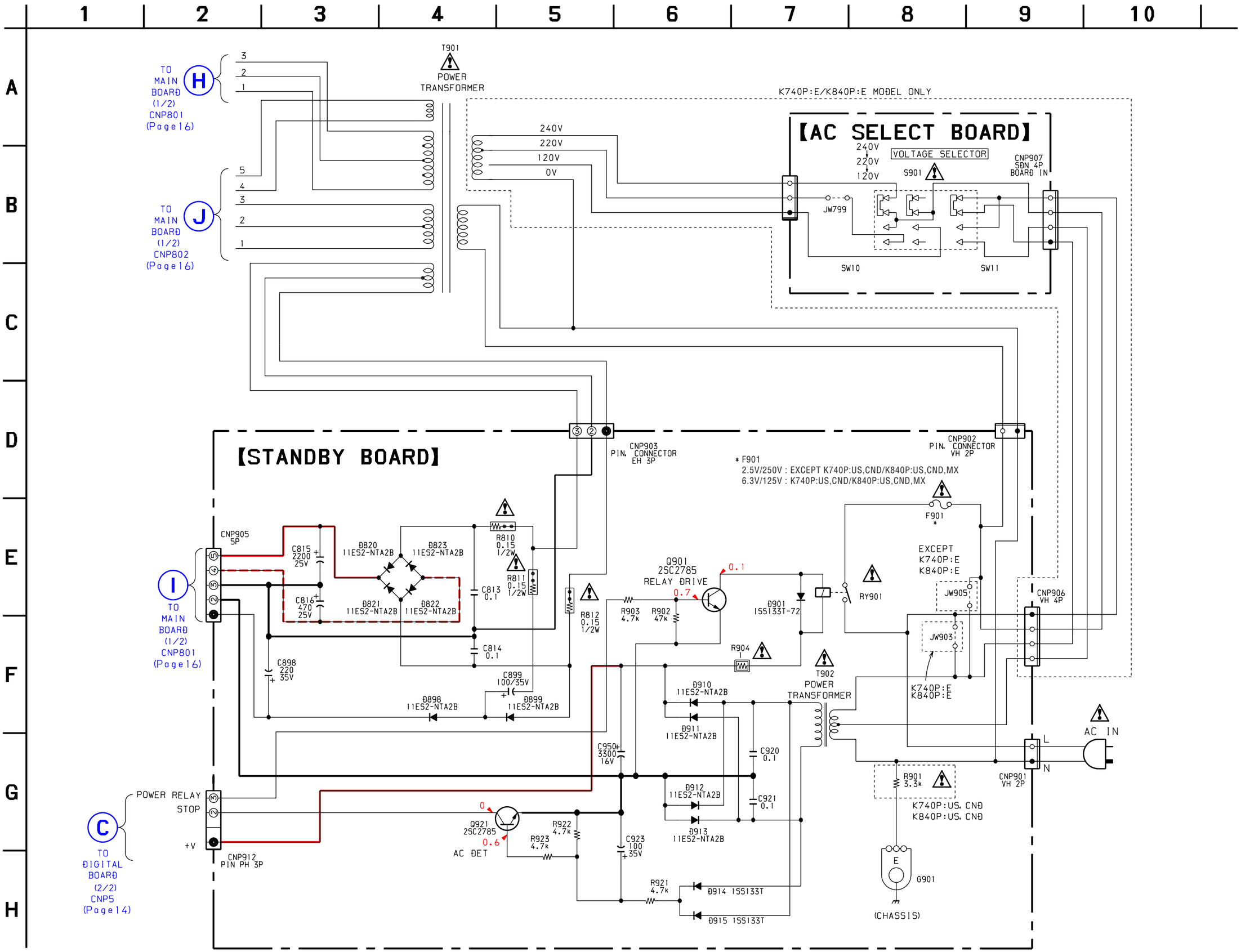
• See page 24 for IC Block Diagrams.



3-13. Printed Wiring Board – POWER Section – • : Uses unleaded solder. • See page 8 for Circuit Boards Location.

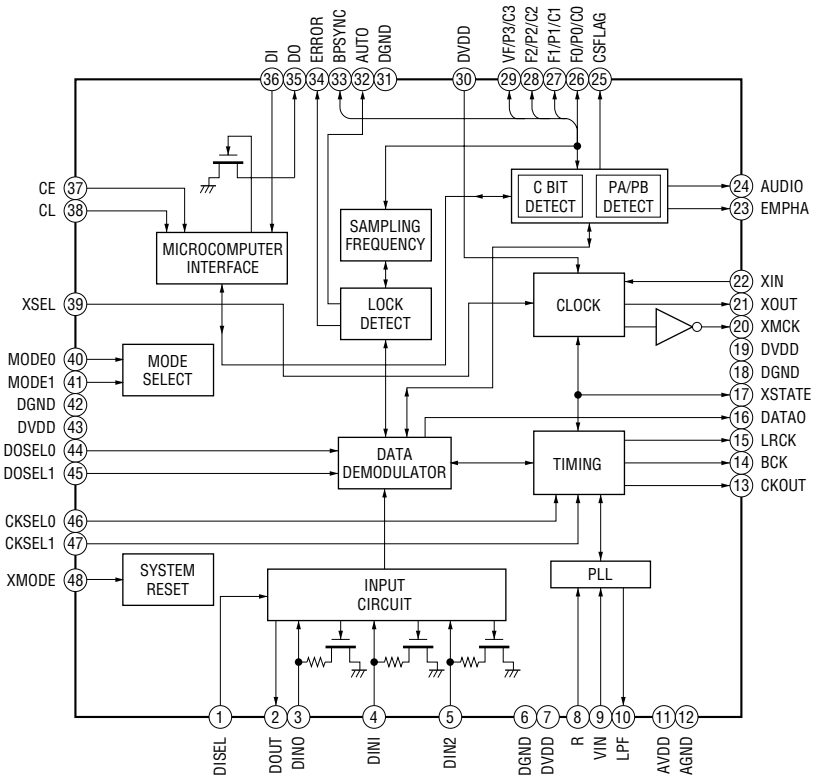


3-14. Schematic Diagram – POWER Section –

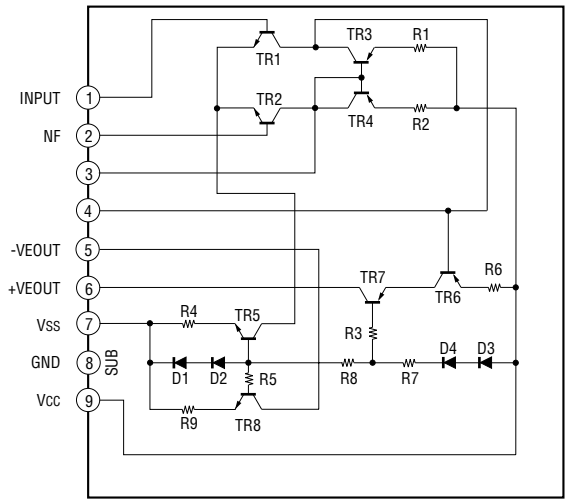


3-15. IC Block Diagrams

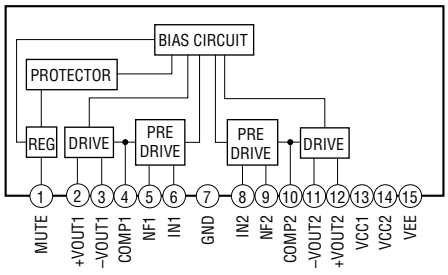
IC1101 LC89056W-E (DIGITAL BOARD)



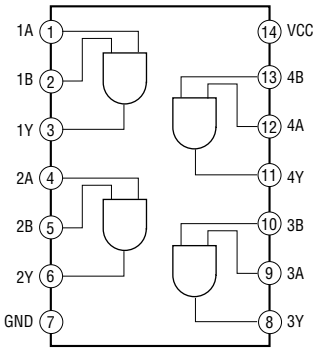
IC501 STK350-230 (MAIN BOARD)



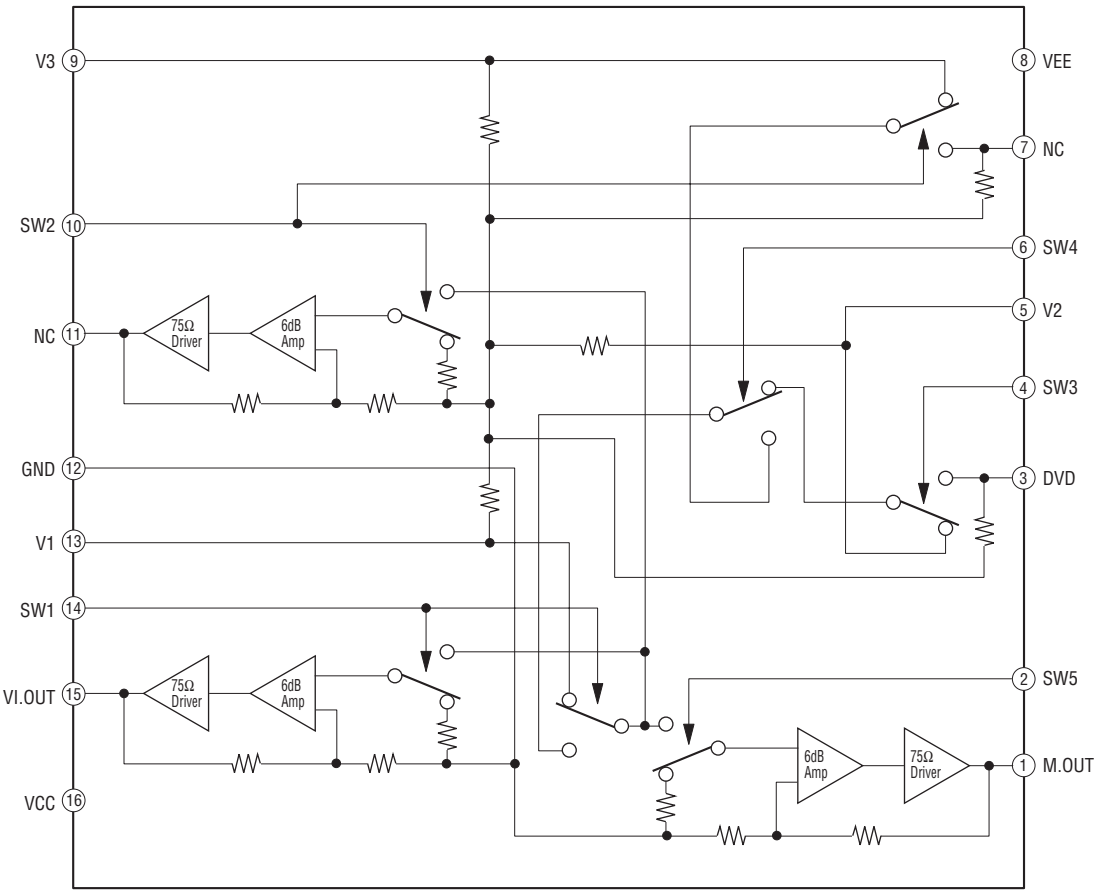
IC701, IC702 µPC2581V-S (MAIN BOARD)



IC101 MC74ACT08N (DISPLAY BOARD)



IC103 NJM2595D (VIDEO BOARD)



3-16. IC PIN FUNCTION DESCRIPTIONS

• IC1601 MB90478PF-G-120-BND (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Description
1	DATAO	I	Audio data signal input from DIR
2	GP9	I	GP9 signal input from DSP
3	BST	O	BST signal output to DSP
4	HCS	O	HCS signal output to DSP
5	HACN	I	HACN signal input from DSP
6	XRST	O	Reset signal output to DSP
7	PM	O	PM signal output to DSP
8	PD	O	Power down signal output to AUDIO CODEC
9	SMUTE	O	Muting signal output to AUDIO CODEC
10	CDT1	O	Control data signal output to AUDIO CODEC
11	VSS	—	Ground
12	SCL	O	Clock signal output to AUDIO CODEC
13	CS	O	Chip select signal output to AUDIO CODEC
14	DATA	O	Control data signal output to the sound processor
15	CLK	O	Clock signal output to the sound processor
16	LATCH	O	Latch signal output to the sound processor
17	SPK B RELAY	O	Not used
18	HDOUT	I	HDOUT signal input from DSP
19	HDIN	O	HDIN signal output to DSP
20	HCLK	O	Clock signal output to DSP
21	F.MUTE	O	Muting signal output
22	AC MUTE	O	Muting signal output to the power amplifier
23	VCC5	—	Power supply
24	ANA/DIG	I	Muting and error signal input
25	HP DETECT	I	Headphone switch detect signal input
26	DCS LED	O	DCS LED control signal output
27	FLASH2	O	Terminal for FLASH programming
28	SP SWITCH/FLASH1	I/O	Speaker ON/OFF switch signal input / Terminal for FLASH programming
29	BLUE LED	O	MULTI CH LED control signal output
30	MODE	O	MODE LED control signal output
31	2CH	O	2CH LED control signal output
32	AFD	O	AFD LED control signal output
33	SCL	O	Serial clock output
34	SDA	I/O	Serial data input or output
35	AVCC	—	Analog power supply
36	AVRH	I	Analog reference voltage input
37	AVSS	—	Analog ground
38	A/D0	I	Function key push signal input
39	A/D1	I	Function key push signal input
40	A/D2	I	Function key push signal input
41	A/D3	I	Function key push signal input
42	VSS	—	Ground
43	RDS SIGNAL	I	RDS signal detect input
44	MODEL	I	Version setting input (MODEL)
45	VERSION	I	Version setting input (DESTINATION)
46	NC	O	Not used
47	NC	I	Not used
48	STOP	I	AC off detect signal input
49	MD0	I	Operation mode setting input
50	MD1	I	Operation mode setting input

Pin No.	Pin Name	I/O	Description
51	MD2	I	Operation mode setting input
52	RDS CLOCK	O	RDS clock signal output (Not used)
53	RDS DATA	O	RDS data signal output (Not used)
54	SIRCS	I	Data signal input from the remote control sensor
55	FUSE DETECT	I	Fuse detect signal input
56	POWER KEY	I	Power switch key detect signal input
57	JOG (B)	I	Jog dial signal input from the rotary encoder
58	JOG (A)	I	Jog dial signal input from the rotary encoder
59	VOL (B)	I	Jog dial signal input from the rotary encoder
60	VOL (A)	I	Jog dial signal input from the rotary encoder
61	DIN	O	Data signal output to the FL tube driver
62	CLK	O	Clock signal output to the FL tube driver
63	FL STB	O	Strobe signal output to the FL tube driver
64	CONTROL A1 OUT	O	Control A1 signal output
65	CONTROL A1 IN	I	Control A1 signal input
66	POWER RELAY	O	Power relay control signal output
67	PROTECTOR	I	Protector status detect signal input
68	HEADPHONE RELAY	O	Headphone relay control signal output
69	WOOFER RELAY	O	Woofer relay control signal output
70	REAR RELAY	O	Rear speaker relay control signal output
71	CENTRE RELAY	O	Centre speaker relay control signal output
72	PREOUT/FRONT RELAY	O	Front speaker relay control signal output
73	TUNED	O	Tuning a frequency signal input from the tuner
74	STEREO	O	Stereo tuning signal input from the tuner
75	MUTING	O	Muting signal output to the tuner
76	DO	I	Frequency data signal input from the tuner
77	RSTX	I	System reset
78	SLATCH	O	Latch signal output to the tuner
79	X1A	—	Not used
80	X0A	—	Not used
81	VSS	—	Ground
82	X0	—	Connection for a crystal resonator
83	X1	—	Connection for a crystal resonator
84	VCC3	—	Power supply
85	NC	I	Not used
86	NC	O	Not used
87	SW4	O	Video select control signal output
88	SW3	O	Video select control signal output
89	SW2	O	Video select control signal output
90	SW1	O	Video muting control signal output
91	SECTION1	O	Optical in selector control signal output
92	SECTION2	O	Optical in selector control signal output
93	XMODE	O	Reset signal output to DIR
94	CKSEL 1	O	CKSEL control signal to DIR
95	CLK	O	Clock signal output to DIR
96	CE	O	Chip enable signal output to DIR
97	DI	O	Data signal output to DIR
98	DO	I	Data signal input from DIR
99	ERROR	I	PLL error muting signal input from DIR
100	XSTATE	I	XSTATE data signal input from DIR

SECTION 4
EXPLODED VIEWS

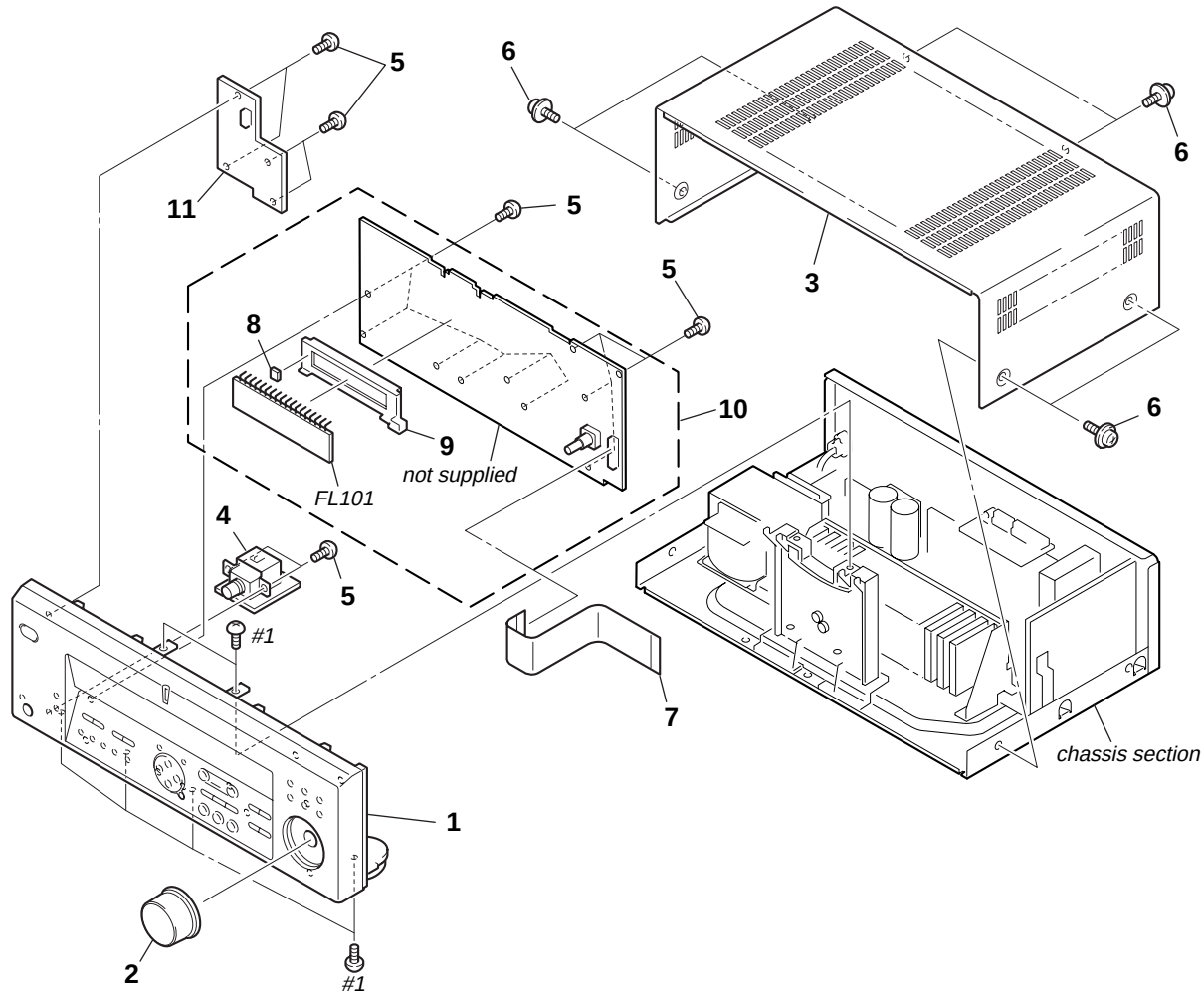
NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts of Color ↑ Cabinet's Color
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories and packing materials are given in the last of this parts list.
- Abbreviation
  CND : Canadian model
  MY : Malaysia model
  SP : Singapore model
  MX : Mexican model
  AR : Argentine model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

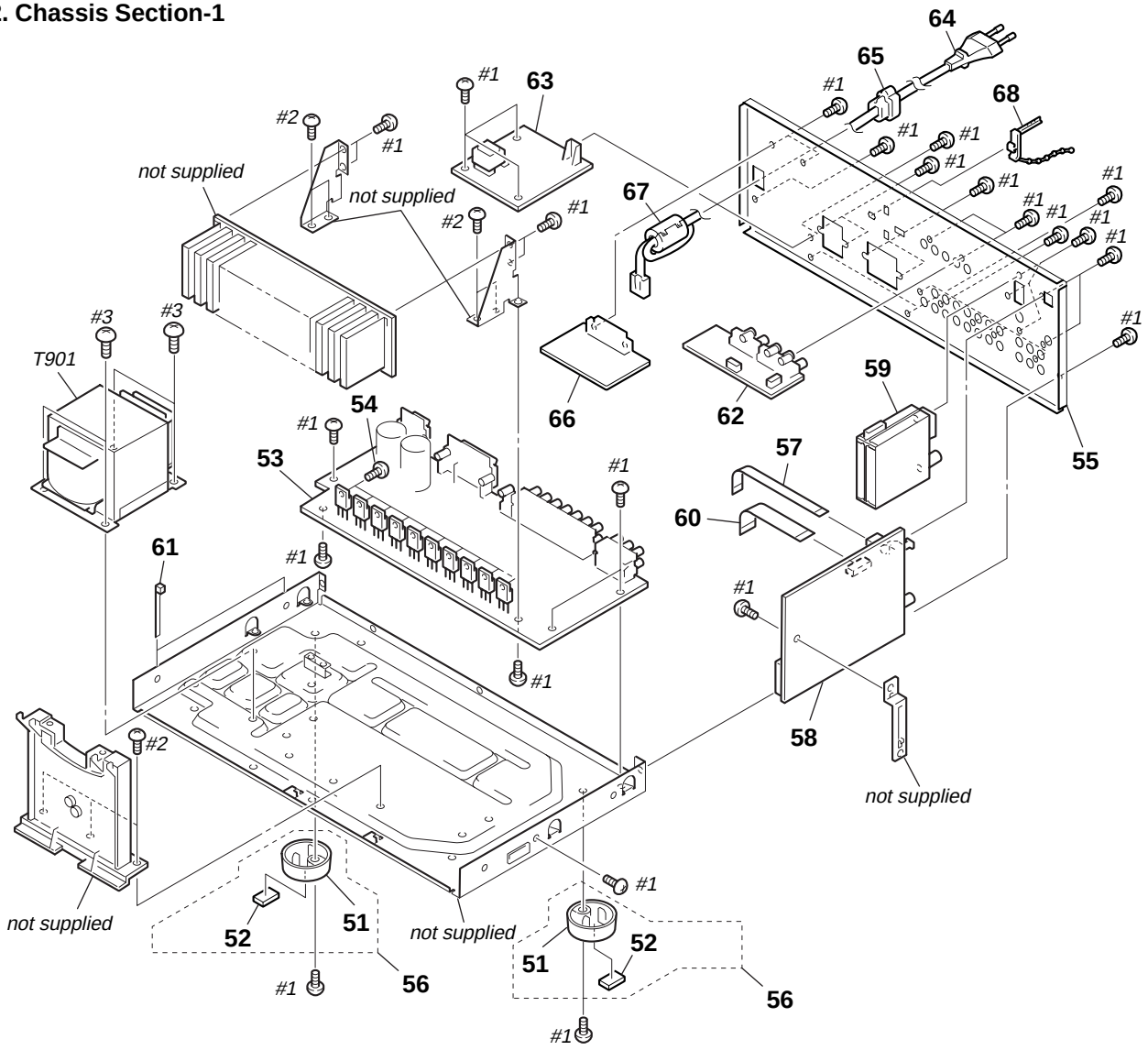
4-1. Front Panel Section



Ref. No.	Part No.	Description	Remarks
1	X-4954-429-1	FRONT PANEL ASSY (SILVER) (K740P:US)	
1	X-4954-430-1	FRONT PANEL ASSY (SILVER) (K740P:CND)	
1	X-4954-431-1	FRONT PANEL ASSY (SILVER) (K740P:E,MY,SP)	
1	X-4954-432-1	FRONT PANEL ASSY (SILVER) (K740P:AEP,UK)	
1	X-4954-433-1	FRONT PANEL ASSY (SILVER) (K840P:US)	
1	X-4954-434-1	FRONT PANEL ASSY (SILVER) (K840P:CND)	
1	X-4954-435-1	FRONT PANEL ASSY (SILVER) (K840P:E,MY,SP,AR,MX)	
1	X-4954-436-1	FRONT PANEL ASSY (SILVER) (K840P:AEP,UK)	
1	X-4954-605-1	FRONT PANEL ASSY (BLACK) (K740P:US)	
1	X-4954-606-1	FRONT PANEL ASSY (BLACK) (K840P:US)	
2	4-232-113-01	KNOB (VOL) (BLACK)	
2	4-232-113-12	KNOB (VOL) (SILVER)	
3	4-232-118-01	CASE (BLACK)	

Ref. No.	Part No.	Description	Remarks
3	4-232-118-21	CASE (SILVER)	
4	1-683-763-11	HEADPHONE BOARD	
5	4-951-620-01	SCREW (2.6X8), +BVTP	
6	4-210-291-01	SCREW (CASE 3 TP2) (BLACK)	
6	4-210-291-11	SCREW (CASE 3 TP2) (SILVER)	
7	1-773-250-11	WIRE (FLAT TYPE) (27 CORE)	
* 8	4-921-941-01	CUSHION (FL)	
9	3-386-245-13	HOLDER (FL)	
10	A-4727-966-A	DISPLAY BOARD, COMPLETE (K840P)	
10	A-4728-362-A	DISPLAY BOARD, COMPLETE (K740P)	
11	1-683-759-11	POWER SW BOARD	
FL101	1-518-718-11	INDICATOR TUBE, FLUORESCENT	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

4-2. Chassis Section-1

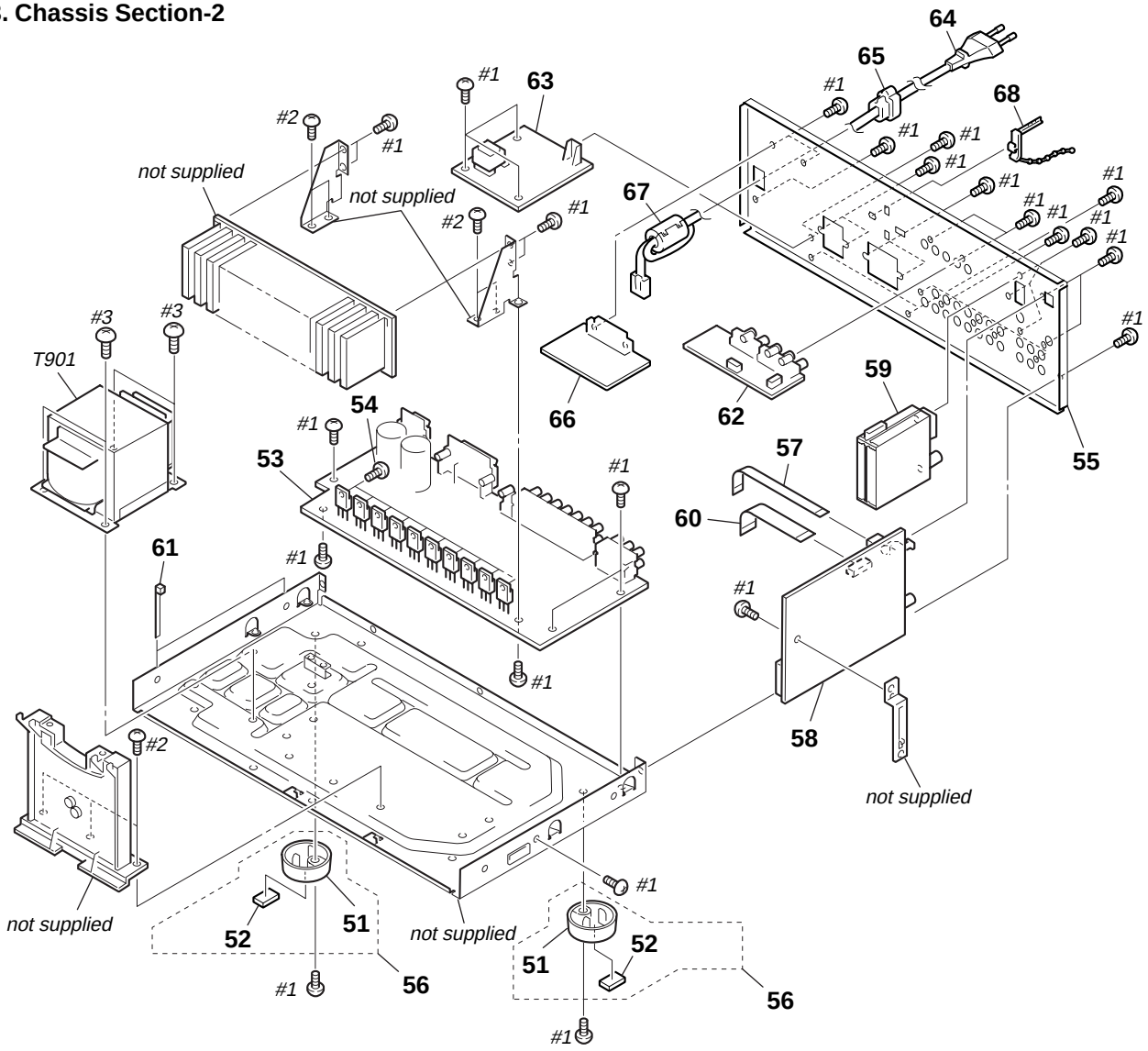


Ref. No.	Part No.	Description	Remarks
51	4-232-237-01	FOOT (DIA. 30)	
52	4-977-358-01	CUSHION	
53	A-4727-963-A	MAIN BOARD, COMPLETE (K840P:US,CND)	
53	A-4727-967-A	MAIN BOARD, COMPLETE	
			(K840P:E,MY,SP,AR,MX)
53	A-4727-978-A	MAIN BOARD, COMPLETE (K840P:AEP,UK)	
53	A-4728-359-A	MAIN BOARD, COMPLETE (K740P:US,CND)	
53	A-4728-367-A	MAIN BOARD, COMPLETE (K740P:AEP,UK)	
53	A-4728-583-A	MAIN BOARD, COMPLETE (K740P:E,MY,SP)	
54	3-905-609-01	SCREW (TRANSISTOR)	
55	4-238-189-21	BACK PANEL (DE4) (K740P:US)	
55	4-238-189-31	BACK PANEL (DE4) (K740P:CND)	
55	4-238-189-41	BACK PANEL (DE4) (K740P:MY,SP)	
55	4-238-189-51	BACK PANEL (DE4) (K740P:E)	
55	4-238-189-61	BACK PANEL (DE4) (K740P:AEP)	
55	4-238-189-71	BACK PANEL (DE4) (K740P:UK)	
55	4-238-193-01	BACK PANEL (HT4) (K840P:US)	
55	4-238-193-11	BACK PANEL (HT4) (K840P:CND)	
55	4-238-193-21	BACK PANEL (HT4) (K840P:MY,SP)	
55	4-238-193-31	BACK PANEL (HT4) (K840P:E)	
55	4-238-193-41	BACK PANEL (HT4) (K840P:AEP)	
55	4-238-193-51	BACK PANEL (HT4) (K840P:UK)	

Ref. No.	Part No.	Description	Remarks
55	4-238-193-81	BACK PANEL (HT4) (K840P:AR)	
55	4-238-193-91	BACK PANEL (HT4) (K840P:MX)	
56	X-4953-448-1	FOOT ASSY	
57	1-575-662-31	WIRE (FLAT TYPE) (5 CORE) (K840P:AR,MX)	
57	1-769-844-11	WIRE (FLAT TYPE) (5 CORE)	
			(EXCEPT K840P:AR,MX)
58	A-4727-964-A	DIGITAL BOARD, COMPLETE (K840P:US,CND)	
58	A-4727-970-A	DIGITAL BOARD, COMPLETE (K840P:MY,SP,AR)	
58	A-4727-974-A	DIGITAL BOARD, COMPLETE (K840P:E,MX)	
58	A-4727-980-A	DIGITAL BOARD, COMPLETE (K840P:AEP,UK)	
58	A-4728-360-A	DIGITAL BOARD, COMPLETE (K740P:US,CND)	
58	A-4728-363-A	DIGITAL BOARD, COMPLETE (K740P:MY,SP)	
58	A-4728-365-A	DIGITAL BOARD, COMPLETE (K740P:E)	
58	A-4728-368-A	DIGITAL BOARD, COMPLETE (K740P:AEP,UK)	
59	1-693-577-21	TUNER PACK	
			(K740P:US,CND,E/K840P:US,CND,E,MX)
59	1-693-578-21	TUNER PACK (K740P:AEP,UK/K840P:AEP,UK)	
59	1-693-580-21	TUNER PACK (K740P:MY,SP/K840P:MY,SP,AR)	
60	1-769-940-11	WIRE (FLAT TYPE) (11 CORE)	
			(EXCEPT K740P:AEP,UK/K840P:AEP,UK)
60	1-773-004-11	WIRE (FLAT TYPE) (15 CORE)	
			(K740P:AEP,UK/K840P:AEP,UK)

– Continued on page 29 –

4-3. Chassis Section-2



Ref. No.	Part No.	Description	Remarks
– Continued from page28 –			
61	3-701-748-00	CLAMP	
62	A-4727-815-A	VIDEO BOARD, COMPLETE (K740P:US,CND/K840P:US,CND,MX)	
62	A-4727-968-A	VIDEO BOARD, COMPLETE (K740P:AEP,UK,E,MY,SP/K840P:AEP,UK,E,MY,SP,AR)	
63	A-4727-816-A	STANDBY BOARD, COMPLETE (K740P:US,CND,/K840P:US,CND)	
63	A-4727-969-A	STANDBY BOARD, COMPLETE (K840P:MY,SP,AR)	
63	A-4727-972-A	STANDBY BOARD, COMPLETE (K740P:E/K840P:E)	
63	A-4727-979-A	STANDBY BOARD, COMPLETE (K740P:AEP,UK/K840P:AEP,UK)	
63	A-4676-982-A	STANDBY BOARD, COMPLETE (K840P:MX)	
⚠64	1-777-071-21	CORD, POWER (K740P:AEP,UK,E,MY,SP/K840P:AEP,UK,E,MY,SP)	
⚠64	1-783-820-11	CORD, POWER (K740P:US,CND/K840P:US,CND,MX)	
⚠64	1-783-941-12	CORD, POWER (K840P:AR)	

Ref. No.	Part No.	Description	Remarks
* 65	3-703-244-00	BUSHING (2104), CORD	
66	1-683-761-11	AC SELECT BOARD (K740P:E/K840P:E)	
67	1-500-386-11	FILTER, CLAMP (FERRITE CORE) (K740P/K840P:US,CND,AEP,UK,E,MY,SP)	
68	4-956-370-12	BAND, PLUG FIXED (K740P:UK/K840P:UK)	
⚠T901	1-437-629-11	POWER TRANSFORMER (K840P:AR)	
⚠T901	1-435-901-11	POWER, TRANSFORMER (K840P:E)	
⚠T901	1-435-903-11	TRANSFORMER, POWER (K840P:AEP,UK,MY,SP)	
⚠T901	1-435-905-11	TRANSFORMER, POWER (K840P:CND)	
⚠T901	1-435-906-11	TRANSFORMER, POWER (K840P:US,MX)	
⚠T901	1-437-639-11	POWER TRANSFORMER (K740P:US)	
⚠T901	1-437-641-11	POWER TRANSFORMER (K740P:CND)	
⚠T901	1-437-642-11	POWER TRANSFORMER (K740P:AEP,UK)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	
#3	7-685-880-09	SCREW +BVTT 4X6 (S)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

AC SELECT **DIGITAL**

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- COILS
  uH: µH
- CAPACITORS:
  uF: µF
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA...: µA... , uPA... , µPA... , uPB... , µPB... , uPC... , µPC... , uPD..., µPD...
- Abbreviation
  CND : Canadian model
  MY : Malaysia model
  SP : Singapore model
  MX : Mexican model
  AR : Argentine model

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remarks
	1-683-761-11	AC SELECT BOARD (K740P:E/K840P:E)			
		**********			
		< CONNECTOR >			
* CNP910	1-564-687-11	PIN, CONNECTOR 3P (K740P:E/K840P:E)			
		< SWITCH >			
⚠S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR) (K740P:E/K840P:E)			
**********					
	A-4728-360-A	DIGITAL BOARD, COMPLETE (K740P:US,CND)			
		**********			
	A-4727-964-A	DIGITAL BOARD, COMPLETE (K840P:US,CND)			
		**********			
	A-4727-980-A	DIGITAL BOARD, COMPLETE (K840P:AEP,UK)			
		**********			
	A-4727-974-A	DIGITAL BOARD, COMPLETE (K840P:E,MX)			
		**********			
	A-4727-970-A	DIGITAL BOARD, COMPLETE (K840P:MY,SP,AR)			
		**********			
	A-4728-363-A	DIGITAL BOARD, COMPLETE (K740P:MY,SP)			
		**********			
	A-4728-365-A	DIGITAL BOARD, COMPLETE (K740P:E)			
		**********			
	A-4728-368-A	DIGITAL BOARD, COMPLETE (K740P:AEP,UK)			
		**********			
	7-685-646-79	SCREW +BVTP	3X8	TYPE2 IT-3	
		< CAPACITOR >			
C1101	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1102	1-126-947-11	ELECT	47uF	20.00%	16V
C1103	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1104	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1105	1-126-947-11	ELECT	47uF	20.00%	16V
C1106	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1107	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1108	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1109	1-162-918-11	CERAMIC CHIP	18PF	5.00%	50V
C1110	1-162-918-11	CERAMIC CHIP	18PF	5.00%	50V
C1111	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1112	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1113	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1114	1-162-905-11	CERAMIC CHIP	1PF	25.00%	50V
C1115	1-162-923-11	CERAMIC CHIP	47PF	5%	50V

Ref. No.	Part No.	Description			Remarks
C1116	1-126-935-11	ELECT	470uF	20.00%	16V
C1117	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1118	1-115-416-11	CERAMIC CHIP	0.001uF	5.00%	25V
C1119	1-126-965-91	ELECT	22uF	20.00%	50V
C1121	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1126	1-126-964-11	ELECT	10uF	20.00%	50V
C1127	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1129	1-115-416-11	CERAMIC CHIP	0.001uF	5.00%	25V
C1130	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1131	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1201	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1202	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1203	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1204	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1205	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1206	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1207	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1208	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1209	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1210	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1211	1-126-964-11	ELECT	10uF	20.00%	50V
C1212	1-126-964-11	ELECT	10uF	20.00%	50V
C1213	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1214	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1216	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1218	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1219	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1220	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1227	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1229	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1309	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1310	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1311	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1312	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1501	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C1502	1-126-965-91	ELECT	22uF	20.00%	50V
C1503	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1504	1-126-964-11	ELECT	10uF	20.00%	50V
C1505	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1506	1-126-935-11	ELECT	470uF	20.00%	16V
C1507	1-126-964-11	ELECT	10uF	20.00%	50V
C1508	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1509	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1510	1-126-947-11	ELECT	47uF	20.00%	16V
C1512	1-115-416-11	CERAMIC CHIP	0.001uF	5.00%	25V

Ref. No.	Part No.	Description			Remarks
C1513	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1514	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1515	1-126-964-11	ELECT	10uF	20.00%	50V
C1522	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1551	1-162-965-11	CERAMIC CHIP	0.0015uF	10%	50V
C1552	1-126-965-91	ELECT	22uF	20.00%	50V
C1601	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1602	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1603	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1604	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1605	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1606	1-126-947-11	ELECT	47uF	20.00%	16V
C1610	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1611	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1612	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1613	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C1614	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C1615	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C1616	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C1617	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1626	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1627	1-126-964-11	ELECT	10uF	20.00%	50V
C1628	1-162-908-11	CERAMIC CHIP	3PF	8.33%	50V
C1629	1-162-908-11	CERAMIC CHIP	3PF	8.33%	50V
C1631	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1632	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1634	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1635	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1905	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1906	1-126-935-11	ELECT	470uF	20.00%	16V
C1908	1-126-935-11	ELECT	470uF	20.00%	16V
C1909	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1910	1-126-935-11	ELECT	470uF	20.00%	16V
C1911	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1912	1-126-935-11	ELECT	470uF	20.00%	16V
C1913	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1914	1-126-947-11	ELECT	47uF	20.00%	16V
		< CONNECTOR >			
CNP5	1-779-978-11	PIN, CONNECTOR 3P			
CNP6	1-784-928-11	PIN, CONNECTOR 13P			
CNS1	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P			
CNS2	1-784-041-41	CONNECTOR, BOARD TO BOARD 9P			
CNS3	1-784-923-11	PIN, CONNECTOR 7P			
CNS4	1-569-312-11	SOCKET, CONNECTOR (L TYRE) 27P			
CNS7	1-569-060-11	SOCKET, CONNECTOR 11P (EXCEPT K740P:AEP,UK/K840P:AEP,UK)			
CNS7	1-569-321-11	SOCKET, CONNECTOR 15P (K740P:AEP,UK/K840P:AEP,UK)			
CNS8	1-569-315-11	SOCKET, CONNECTOR 5P			
		< DIODE >			
D1001	8-719-016-74	DIODE 1SS352-TPH3			
D1101	8-719-016-74	DIODE 1SS352-TPH3			
D1501	8-719-049-09	DIODE 1SS367-T3SONY			
D1502	8-719-049-09	DIODE 1SS367-T3SONY			
D1601	8-719-016-74	DIODE 1SS352-TPH3			
D1905	8-719-053-18	DIODE 1SR154-400TE-25			
D1906	8-719-053-18	DIODE 1SR154-400TE-25			
D1907	8-719-053-18	DIODE 1SR154-400TE-25			
		< FERRITE BEAD >			
FB1101	1-414-813-11	FERRITE	0UH		
FB1102	1-414-813-11	FERRITE	0UH		
FB1104	1-469-152-11	FERRITE	0UH		
FB1105	1-469-152-11	FERRITE	0UH		
FB1201	1-414-813-11	FERRITE	0UH		
FB1202	1-414-813-11	FERRITE	0UH		
FB1203	1-469-152-11	FERRITE	0UH		
FB1204	1-469-152-11	FERRITE	0UH		
FB1501	1-414-813-11	FERRITE	0UH		
FB1502	1-414-813-11	FERRITE	0UH		
FB1601	1-414-813-11	FERRITE	0UH		
FB1602	1-216-864-11	METAL CHIP	0	5%	1/16W
FB1603	1-216-864-11	METAL CHIP	0	5%	1/16W
		< IC >			
IC1101	8-759-825-15	IC LC89056W-E			
IC1102	8-759-242-70	IC TC7WU04F(TE12R)			
IC1105	8-749-019-26	IC TORX141 (VIDEO 2 IN)			
IC1201	8-759-698-76	IC CXD9617R			
IC1202	6-700-983-01	IC IS61LV6416-15T(ICSI)			
IC1501	8-759-657-47	IC AK4527			
IC1502	8-759-710-97	IC NJM4565M(TE2)			
IC1502	8-759-636-55	IC M5218AFP-T1			
IC1503	8-759-039-69	IC uPC7805AHF			
IC1503	8-759-231-53	IC M5F7805L			
IC1503	8-759-701-75	IC NJM7805FA			
IC1552	8-759-710-97	IC NJM4565M(TE2)			
IC1552	8-759-636-55	IC M5218AFP-T1			
IC1601	6-801-261-01	IC MB90478PF-G-120-BND			
IC1602	8-759-714-20	IC S-80929ANMP-DDS-T2			
IC1604	8-759-641-86	IC BR24C16F-E2			
IC1901	6-701-887-01	IC SI-3001KWF			
IC1902	8-759-604-32	IC M5F7810L			
IC1902	8-759-656-35	IC NJM7810FA			
IC1903	8-759-647-11	IC uPC2905HF			
IC1904	8-759-647-10	IC uPC2933HF			
		< JACK >			
J1101	1-784-431-11	JACK, PIN 1P (DVD/LD IN)			
		< JUMPER RESISTOR >			
JR1103	1-216-864-11	METAL CHIP	0	5%	1/16W
JR1104	1-216-864-11	METAL CHIP	0	5%	1/16W
JR1111	1-216-864-11	METAL CHIP	0	5%	1/16W
JR1112	1-216-864-11	METAL CHIP	0	5%	1/16W
JR1113	1-216-864-11	METAL CHIP	0	5%	1/16W
JR1114	1-216-864-11	METAL CHIP	0	5%	1/16W
JR1115	1-216-864-11	METAL CHIP	0	5%	1/16W
JR1121	1-216-864-11	METAL CHIP	0	5%	1/16W
JR1122	1-216-864-11	METAL CHIP	0	5%	1/16W
JR1200	1-211-950-11	SHORT	0		

DIGITAL

Ref. No.	Part No.	Description			Remarks
		< COIL >			
L1901	1-216-864-11	METAL CHIP	0	5%	1/16W
		< TRANSISTOR >			
Q1601	8-729-027-43	TRANSISTOR	RT1N141C-TP-1		
Q1602	8-729-230-49	TRANSISTOR	2SC2712-YG-TE85L		
		< RESISTOR >			
R1100	1-216-857-11	METAL CHIP	1M	5%	1/16W
R1101	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1102	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1104	1-216-809-11	METAL CHIP	100	5%	1/16W
R1105	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R1106	1-216-839-11	METAL CHIP	33K	5%	1/16W
R1107	1-216-830-11	METAL CHIP	5.6K	5%	1/16W
R1108	1-216-809-11	METAL CHIP	100	5%	1/16W
R1109	1-216-809-11	METAL CHIP	100	5%	1/16W
R1110	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1111	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1112	1-216-809-11	METAL CHIP	100	5%	1/16W
R1113	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1114	1-216-809-11	METAL CHIP	100	5%	1/16W
R1115	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1116	1-218-285-11	RES-CHIP	75	5%	1/10W
R1117	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1118	1-216-854-11	METAL CHIP	560K	5%	1/16W
R1119	1-216-837-11	METAL CHIP	22K	5%	1/16W
R1121	1-216-809-11	METAL CHIP	100	5%	1/16W
R1124	1-216-809-11	METAL CHIP	100	5%	1/16W
R1201	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1203	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1204	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1205	1-216-809-11	METAL CHIP	100	5%	1/16W
R1206	1-216-809-11	METAL CHIP	100	5%	1/16W
R1207	1-216-809-11	METAL CHIP	100	5%	1/16W
R1208	1-216-809-11	METAL CHIP	100	5%	1/16W
R1210	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1212	1-216-809-11	METAL CHIP	100	5%	1/16W
R1213	1-216-809-11	METAL CHIP	100	5%	1/16W
R1214	1-216-809-11	METAL CHIP	100	5%	1/16W
R1215	1-216-809-11	METAL CHIP	100	5%	1/16W
R1216	1-216-809-11	METAL CHIP	100	5%	1/16W
R1217	1-216-809-11	METAL CHIP	100	5%	1/16W
R1218	1-216-809-11	METAL CHIP	100	5%	1/16W
R1219	1-216-809-11	METAL CHIP	100	5%	1/16W
R1220	1-216-809-11	METAL CHIP	100	5%	1/16W
R1221	1-216-809-11	METAL CHIP	100	5%	1/16W
R1222	1-216-809-11	METAL CHIP	100	5%	1/16W
R1304	1-216-841-11	METAL CHIP	47K	5%	1/16W
R1305	1-216-841-11	METAL CHIP	47K	5%	1/16W
R1308	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1314	1-216-864-11	METAL CHIP	0	5%	1/16W
R1364	1-216-864-11	METAL CHIP	0	5%	1/16W
R1501	1-216-815-11	METAL CHIP	330	5%	1/16W
R1502	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1503	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1504	1-216-815-11	METAL CHIP	330	5%	1/16W
R1505	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R1506	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1507	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R1508	1-216-845-11	METAL CHIP	100K	5%	1/16W
R1509	1-216-809-11	METAL CHIP	100	5%	1/16W
R1516	1-216-864-11	METAL CHIP	0	5%	1/16W
R1517	1-216-864-11	METAL CHIP	0	5%	1/16W
R1518	1-216-864-11	METAL CHIP	0	5%	1/16W
R1519	1-216-864-11	METAL CHIP	0	5%	1/16W
R1520	1-216-864-11	METAL CHIP	0	5%	1/16W
R1521	1-216-864-11	METAL CHIP	0	5%	1/16W
R1551	1-216-815-11	METAL CHIP	330	5%	1/16W
R1552	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1553	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1554	1-216-815-11	METAL CHIP	330	5%	1/16W
R1555	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R1556	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1557	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R1600	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R1601	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1602	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R1603	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1604	1-216-809-11	METAL CHIP	100	5%	1/16W
R1605	1-216-809-11	METAL CHIP	100	5%	1/16W
R1606	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1607	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1608	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1609	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1610	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1611	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1612	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1613	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1614	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1615	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1617	1-216-809-11	METAL CHIP	100	5%	1/16W
R1618	1-216-809-11	METAL CHIP	100	5%	1/16W
R1619	1-216-809-11	METAL CHIP	100	5%	1/16W
R1621	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1623	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1624	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1625	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1626	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1627	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1628	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1629	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1630	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1631	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R1632	1-216-825-11	METAL CHIP	2.2K	5%	1/16W (K740P)
R1632	1-216-829-11	METAL CHIP	4.7K	5%	1/16W (K840P)
R1633	1-216-841-11	METAL CHIP	47K	5%	1/16W
R1634	1-216-841-11	METAL CHIP	47K	5%	1/16W (EXCEPT K740P:US,CND/K840P:US,CND)
R1635	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1636	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1637	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1638	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R1639	1-216-821-11	METAL CHIP	1K	5%	1/16W

Ref. No.	Part No.	Description			Remarks
R1640	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1641	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1642	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1643	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1644	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1645	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1646	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1647	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1648	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1649	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1650	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1651	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1654	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1655	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1656	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1657	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1658	1-216-809-11	METAL CHIP	100	5%	1/16W
R1659	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1661	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1662	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R1663	1-216-827-11	METAL CHIP	3.3K	5%	1/16W
R1666	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1668	1-216-830-11	METAL CHIP	5.6K	5%	1/16W
R1669	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R1670	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1673	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1674	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1676	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1677	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1678	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1679	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1682	1-216-845-11	METAL CHIP	100K	5%	1/16W
R1684	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1685	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1686	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1687	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1688	1-216-864-11	METAL CHIP	0	5%	1/16W
R1689	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1690	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1691	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1694	1-216-821-11	METAL CHIP	1K	5%	1/16W
R1697	1-216-829-11	METAL CHIP	4.7K	5%	1/16W (K840P)
R1697	1-216-825-11	METAL CHIP	2.2K	5%	1/16W (K740P)
R1698	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R1699	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R1703	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1704	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1706	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1707	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1708	1-216-833-11	METAL CHIP	10K	5%	1/16W
R1709	1-216-833-11	METAL CHIP	10K	5%	1/16W

< VIBRATOR >

X1101	1-781-465-21	VIBRATOR, CRYSTAL 12.288MHz
X1201	1-795-297-21	VIBRATOR, CERAMIC 13.59MHz
X1601	1-795-318-11	OSCILLATOR, CERAMIC 20MHz

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Ref. No.	Part No.	Description			Remarks
	A-4728-362-A	DISPLAY BOARD, COMPLETE (K740P)			
		**********			
	A-4727-966-A	DISPLAY BOARD, COMPLETE (K840P)			
		**********			
*	3-386-245-13	HOLDER (FL)			
*	4-921-941-01	CUSHION (FL)			

< CAPACITOR >

C100	1-164-159-11	CERAMIC	0.1uF		50V
C101	1-164-159-11	CERAMIC	0.1uF		50V
C104	1-164-159-11	CERAMIC	0.1uF		50V (K840P)
C105	1-126-795-11	ELECT	10uF	20.00%	50V
C108	1-164-159-11	CERAMIC	0.1uF		50V
C109	1-164-159-11	CERAMIC	0.1uF		50V
C110	1-128-809-11	CERAMIC	100PF	5%	50V
C111	1-128-809-11	CERAMIC	100PF	5%	50V
C112	1-128-809-11	CERAMIC	100PF	5%	50V
C114	1-164-159-11	CERAMIC	0.1uF		50V
C115	1-126-795-11	ELECT	10uF	20.00%	50V
C132	1-128-813-11	CERAMIC	220PF	5%	50V
C133	1-128-813-11	CERAMIC	220PF	5%	50V
C134	1-128-813-11	CERAMIC	220PF	5%	50V
C135	1-128-813-11	CERAMIC	220PF	5%	50V
C136	1-128-813-11	CERAMIC	220PF	5%	50V
C137	1-128-813-11	CERAMIC	220PF	5%	50V
C138	1-128-813-11	CERAMIC	220PF	5%	50V
C139	1-128-813-11	CERAMIC	220PF	5%	50V
C140	1-128-813-11	CERAMIC	220PF	5%	50V
C141	1-128-813-11	CERAMIC	220PF	5%	50V
C142	1-128-813-11	CERAMIC	220PF	5%	50V
C143	1-128-813-11	CERAMIC	220PF	5%	50V
C144	1-164-159-11	CERAMIC	0.1uF		50V
C145	1-164-159-11	CERAMIC	0.1uF		50V
C150	1-164-159-11	CERAMIC	0.1uF		50V
C151	1-126-795-11	ELECT	10uF	20.00%	50V

< DIODE >

D100	8-719-075-59	DIODE SELS5B23C-TP15 (Digital Cinema Sound)
D102	8-719-084-07	DIODE SEL5E20CTP15 (MULTI CHANNEL DECODING) (K840P)
D103	8-719-046-39	DIODE SEL5821A-TP15 (A.F.D.)
D104	8-719-046-39	DIODE SEL5821A-TP15 (2CH)
D105	8-719-046-39	DIODE SEL5821A-TP15 (MODE)
D111	8-719-046-39	DIODE SEL5821A-TP15 (LEVEL)
D112	8-719-046-39	DIODE SEL5821A-TP15 (SURR)
D113	8-719-046-39	DIODE SEL5821A-TP15 (SET UP)
D114	8-719-046-39	DIODE SEL5821A-TP15 (NAME)

< FILTER >

FL101	1-518-718-11	INDICATOR TUBE, FLUORESCENT

< IC >

IC100	8-759-643-83	IC uPD16315GB-3BS
IC101	8-759-036-90	IC MC74ACT08N
IC102	6-600-055-01	IC GP1UD27SXK (R)

DISPLAY

Ref. No.	Part No.	Description			Remarks
		< TRANSISTOR >			
Q100	8-729-119-78	TRANSISTOR	2SC2785TP-HFE (K840P)		
Q101	8-729-119-78	TRANSISTOR	2SC2785TP-HFE		
Q102	8-729-119-78	TRANSISTOR	2SC2785TP-HFE		
Q103	8-729-119-78	TRANSISTOR	2SC2785TP-HFE		
Q104	8-729-119-78	TRANSISTOR	2SC2785TP-HFE		
Q107	8-729-900-36	TRANSISTOR	BA1F4M-TP		
Q108	8-729-900-36	TRANSISTOR	BA1F4M-TP		
Q109	8-729-900-36	TRANSISTOR	BA1F4M-TP		
Q110	8-729-900-63	TRANSISTOR	BN1F4M-TP		
Q111	8-729-900-63	TRANSISTOR	BN1F4M-TP		
		< RESISTOR >			
R101	1-249-413-11	CARBON	470	5%	1/4W F
R102	1-249-417-11	CARBON	1K	5%	1/4W F (K740P)
R102	1-249-421-11	CARBON	2.2K	5%	1/4W F (K840P)
R103	1-249-417-11	CARBON	1K	5%	1/4W F (K740P)
R103	1-249-421-11	CARBON	2.2K	5%	1/4W F (K840P)
R104	1-249-421-11	CARBON	2.2K	5%	1/4W F (K740P)
R104	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R105	1-249-421-11	CARBON	2.2K	5%	1/4W F (K740P)
R105	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R106	1-249-425-11	CARBON	4.7K	5%	1/4W F
R107	1-249-429-11	CARBON	10K	5%	1/4W
R108	1-249-433-11	CARBON	22K	5%	1/4W
R109	1-249-437-11	CARBON	47K	5%	1/4W
R111	1-249-413-11	CARBON	470	5%	1/4W F
R112	1-249-417-11	CARBON	1K	5%	1/4W F (K740P)
R112	1-249-421-11	CARBON	2.2K	5%	1/4W F (K840P)
R113	1-249-417-11	CARBON	1K	5%	1/4W F (K740P)
R113	1-249-421-11	CARBON	2.2K	5%	1/4W F (K840P)
R114	1-249-421-11	CARBON	2.2K	5%	1/4W F (K740P)
R114	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R115	1-249-421-11	CARBON	2.2K	5%	1/4W F (K740P)
R115	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R116	1-249-425-11	CARBON	4.7K	5%	1/4W F
R117	1-249-429-11	CARBON	10K	5%	1/4W
R118	1-249-433-11	CARBON	22K	5%	1/4W
R119	1-249-437-11	CARBON	47K	5%	1/4W
R121	1-249-413-11	CARBON	470	5%	1/4W F
R122	1-249-417-11	CARBON	1K	5%	1/4W F (K740P)
R122	1-249-421-11	CARBON	2.2K	5%	1/4W F (K840P)
R123	1-249-417-11	CARBON	1K	5%	1/4W F (K740P)
R123	1-249-421-11	CARBON	2.2K	5%	1/4W F (K840P)
R124	1-249-421-11	CARBON	2.2K	5%	1/4W F (K740P)
R124	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R125	1-249-421-11	CARBON	2.2K	5%	1/4W F (K740P)
R125	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R126	1-249-425-11	CARBON	4.7K	5%	1/4W F
R127	1-249-429-11	CARBON	10K	5%	1/4W
R128	1-249-433-11	CARBON	22K	5%	1/4W
R131	1-249-413-11	CARBON	470	5%	1/4W F
R132	1-249-417-11	CARBON	1K	5%	1/4W F (K740P)
R132	1-249-421-11	CARBON	2.2K	5%	1/4W F (K840P)
R133	1-249-417-11	CARBON	1K	5%	1/4W F (K740P)
R133	1-249-421-11	CARBON	2.2K	5%	1/4W F (K840P)
R134	1-249-421-11	CARBON	2.2K	5%	1/4W F (K740P)
R134	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R135	1-249-421-11	CARBON	2.2K	5%	1/4W F (K740P)
R135	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R136	1-249-425-11	CARBON	4.7K	5%	1/4W F
R137	1-249-429-11	CARBON	10K	5%	1/4W
R141	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R142	1-249-421-11	CARBON	2.2K	5%	1/4W F (K740P)
R142	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R143	1-249-421-11	CARBON	2.2K	5%	1/4W F (K740P)
R143	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R144	1-249-421-11	CARBON	2.2K	5%	1/4W F (K740P)
R144	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R148	1-249-421-11	CARBON	2.2K	5%	1/4W F (K740P)
R148	1-249-415-11	CARBON	680	5%	1/4W F (K840P)
R150	1-249-440-11	CARBON	82K	5%	1/4W
R153	1-247-807-31	CARBON	100	5%	1/4W
R154	1-249-393-11	CARBON	10	5%	1/4W F
R155	1-249-441-11	CARBON	100K	5%	1/4W
R160	1-247-807-31	CARBON	100	5%	1/4W
R161	1-247-807-31	CARBON	100	5%	1/4W
R162	1-247-807-31	CARBON	100	5%	1/4W
R163	1-247-807-31	CARBON	100	5%	1/4W
R164	1-249-429-11	CARBON	10K	5%	1/4W
R165	1-249-403-11	CARBON	68	5%	1/4W F (K840P)
R166	1-249-409-11	CARBON	220	5%	1/4W F
R167	1-249-409-11	CARBON	220	5%	1/4W F

Ref. No.	Part No.	Description			Remarks
R168	1-249-409-11	CARBON	220	5%	1/4W F
R169	1-249-409-11	CARBON	220	5%	1/4W F
R170	1-249-429-11	CARBON	10K	5%	1/4W
R171	1-249-429-11	CARBON	10K	5%	1/4W (K840P)
⚠R198	1-249-381-11	CARBON	1	5%	1/4W F
⚠R199	1-249-381-11	CARBON	1	5%	1/4W F
		< VARIABLE RESISTOR >			
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			
		< SWITCH >			
S100	1-771-410-21	SWITCH, TACTILE (PRESET/PTY SELECT –)			
S101	1-771-410-21	SWITCH, TACTILE (TUNING –)			
S102	1-771-410-21	SWITCH, TACTILE (NAME)			
S103	1-771-410-21	SWITCH, TACTILE (ENTER)			
S104	1-771-410-21	SWITCH, TACTILE (LEVEL)			
S105	1-771-410-21	SWITCH, TACTILE (SURR)			
S106	1-771-410-21	SWITCH, TACTILE (MENU –)			
S107	1-771-410-21	SWITCH, TACTILE (SET UP)			
S108	1-771-410-21	SWITCH, TACTILE (VIDEO 1)			
S109	1-771-410-21	SWITCH, TACTILE (MD/TAPE)			
S110	1-771-410-21	SWITCH, TACTILE (MUTING)			
S111	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S112	1-771-410-21	SWITCH, TACTILE (TREBLE +)			
S113	1-771-410-21	SWITCH, TACTILE (MULTI CH IN)			
S114	1-771-410-21	SWITCH, TACTILE (CD)			
S115	1-771-410-21	SWITCH, TACTILE (TUNER)			
S116	1-771-410-21	SWITCH, TACTILE (VIDEO 2)			
S117	1-771-410-21	SWITCH, TACTILE (BASS –)			
S118	1-771-410-21	SWITCH, TACTILE (MODE)			
S119	1-771-410-21	SWITCH, TACTILE (PRESET/PTY SELECT +)			
S120	1-771-410-21	SWITCH, TACTILE (FM MODE) (AEP, UK)			
S120	1-771-410-21	SWITCH, TACTILE (FM) (EXCEPT AEP, UK)			
S121	1-771-410-21	SWITCH, TACTILE (SHIFT)			
S122	1-771-410-21	SWITCH, TACTILE (PTY)			
S123	1-771-410-21	SWITCH, TACTILE (MENU <)			
S124	1-771-410-21	SWITCH, TACTILE (MENU >)			
S125	1-771-410-21	SWITCH, TACTILE (FM/AM) (AEP, UK)			
S125	1-771-410-21	SWITCH, TACTILE (AM) (EXCEPT AEP, UK)			
S126	1-771-410-21	SWITCH, TACTILE (MEMORY)			
S127	1-771-410-21	SWITCH, TACTILE (TUNING +)			
S128	1-771-410-21	SWITCH, TACTILE (MENU +)			
S130	1-771-410-21	SWITCH, TACTILE (TREBLE –)			
S131	1-771-410-21	SWITCH, TACTILE (DVD/LD)			
S132	1-771-410-21	SWITCH, TACTILE (CINEMA STUDIO C)			
S133	1-771-410-21	SWITCH, TACTILE (CINEMA STUDIO B)			
S134	1-771-410-21	SWITCH, TACTILE (CINEMA STUDIO A)			
S135	1-771-410-21	SWITCH, TACTILE (BASS +)			
S136	1-771-410-21	SWITCH, TACTILE (A.F.D.)			
S137	1-771-410-21	SWITCH, TACTILE (2CH)			

Ref. No.	Part No.	Description			Remarks
	1-683-763-11	HEADPHONE BOARD			
		< CAPACITOR >			
C790	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CNP791	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
		< JACK >			
J791	1-815-314-21	JACK (PHONES)			
	A-4727-963-A	MAIN BOARD, COMPLETE (K840P:US,CND)			
	A-4727-978-A	MAIN BOARD, COMPLETE (K840P:AEP,UK)			
	A-4727-967-A	MAIN BOARD, COMPLETE (K840P:E,MY,SP,AR,MX)			
	A-4728-583-A	MAIN BOARD, COMPLETE (K740P:E,MY,SP)			
	A-4728-367-A	MAIN BOARD, COMPLETE (K740P:AEP,UK)			
	A-4728-359-A	MAIN BOARD, COMPLETE (K740P:US,CND)			
	7-685-646-79	SCREW +BVTP	3X8	TYPE2 IT-3	
		< CAPACITOR >			
C371	1-161-494-00	CERAMIC	0.022uF		25V
C372	1-161-494-00	CERAMIC	0.022uF		25V
C373	1-161-494-00	CERAMIC	0.022uF		25V
C374	1-164-159-11	CERAMIC	0.1uF		50V
C375	1-161-494-00	CERAMIC	0.022uF		25V
C376	1-161-494-00	CERAMIC	0.022uF		25V
C400	1-128-825-11	CERAMIC	2200PF	5%	50V
C402	1-126-964-11	ELECT	10uF	20.00%	50V
C404	1-126-964-11	ELECT	10uF	20.00%	50V
C405	1-126-964-11	ELECT	10uF	20.00%	50V
C406	1-126-964-11	ELECT	10uF	20.00%	50V
C407	1-126-964-11	ELECT	10uF	20.00%	50V
C408	1-126-964-11	ELECT	10uF	20.00%	50V
C409	1-126-964-11	ELECT	10uF	20.00%	50V
C411	1-126-961-11	ELECT	2.2uF	20.00%	50V
C412	1-126-961-11	ELECT	2.2uF	20.00%	50V
C413	1-126-964-11	ELECT	10uF	20.00%	50V
C414	1-126-964-11	ELECT	10uF	20.00%	50V
C415	1-126-964-11	ELECT	10uF	20.00%	50V
C416	1-126-964-11	ELECT	10uF	20.00%	50V
C417	1-126-964-11	ELECT	10uF	20.00%	50V
C418	1-126-964-11	ELECT	10uF	20.00%	50V
C419	1-126-964-11	ELECT	10uF	20.00%	50V
C431	1-126-961-11	ELECT	2.2uF	20.00%	50V
C432	1-126-961-11	ELECT	2.2uF	20.00%	50V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN

Ref. No.	Part No.	Description			Remarks
C433	1-126-964-11	ELECT	10uF	20.00%	50V
C452	1-126-964-11	ELECT	10uF	20.00%	50V
C454	1-126-964-11	ELECT	10uF	20.00%	50V
C455	1-126-964-11	ELECT	10uF	20.00%	50V
C456	1-126-964-11	ELECT	10uF	20.00%	50V
C457	1-126-964-11	ELECT	10uF	20.00%	50V
C458	1-126-964-11	ELECT	10uF	20.00%	50V
C459	1-126-964-11	ELECT	10uF	20.00%	50V
C461	1-126-961-11	ELECT	2.2uF	20.00%	50V
C462	1-126-961-11	ELECT	2.2uF	20.00%	50V
C464	1-164-159-11	CERAMIC	0.1uF		50V
C465	1-126-969-11	ELECT	220uF	20.00%	50V
C466	1-126-964-11	ELECT	10uF	20.00%	50V
C467	1-164-159-11	CERAMIC	0.1uF		50V
C471	1-126-963-11	ELECT	4.7uF	20.00%	50V
C481	1-126-964-11	ELECT	10uF	20.00%	50V
C482	1-126-964-11	ELECT	10uF	20.00%	50V
C483	1-126-964-11	ELECT	10uF	20.00%	50V
C484	1-126-964-11	ELECT	10uF	20.00%	50V
C485	1-126-964-11	ELECT	10uF	20.00%	50V
C486	1-126-964-11	ELECT	10uF	20.00%	50V
C487	1-126-964-11	ELECT	10uF	20.00%	50V
C488	1-164-159-11	CERAMIC	0.1uF		50V
C489	1-128-809-11	CERAMIC	100PF	5%	50V
C490	1-128-809-11	CERAMIC	100PF	5%	50V
C491	1-126-964-11	ELECT	10uF	20.00%	50V
C492	1-126-964-11	ELECT	10uF	20.00%	50V
C493	1-126-964-11	ELECT	10uF	20.00%	50V
C494	1-126-964-11	ELECT	10uF	20.00%	50V
C495	1-126-964-11	ELECT	10uF	20.00%	50V
C496	1-126-963-11	ELECT	4.7uF	20.00%	50V
C497	1-128-809-11	CERAMIC	100PF	5%	50V
C498	1-162-211-31	CERAMIC	33PF	5%	50V
C500	1-128-825-11	CERAMIC	2200PF	5%	50V
C501	1-126-963-11	ELECT	4.7uF	20.00%	50V
C503	1-104-665-11	ELECT	100uF	20.00%	10V
C504	1-107-583-11	CERAMIC	3PF	8.33%	500V
C505	1-102-989-00	CERAMIC	68PF	5.00%	500V
C506	1-102-989-00	CERAMIC	68PF	5.00%	500V
C507	1-128-809-11	CERAMIC	100PF	5%	50V
C510	1-126-947-11	ELECT	47uF	20.00%	25V
C511	1-136-157-00	FILM	0.022uF	5.00%	50V
C516	1-162-815-11	CERAMIC	47PF	5.00%	500V
C517	1-162-815-11	CERAMIC	47PF	5.00%	500V
C519	1-128-813-11	CERAMIC	220PF	5%	50V
C540	1-126-964-11	ELECT	10uF	20.00%	50V
C541	1-127-876-11	CERAMIC	0.01uF	10%	50V
C601	1-126-963-11	ELECT	4.7uF	20.00%	50V
C603	1-104-665-11	ELECT	100uF	20.00%	10V
C604	1-107-583-11	CERAMIC	3PF	8.33%	500V
C605	1-102-233-00	CERAMIC	33PF	10.00%	500V
C606	1-128-813-11	CERAMIC	220PF	5%	50V
C607	1-128-809-11	CERAMIC	100PF	5%	50V
C610	1-126-947-11	ELECT	47uF	20.00%	25V
C611	1-136-157-00	FILM	0.022uF	5.00%	50V
C616	1-106-355-12	MYLAR	3300PF	5%	200V
C617	1-106-355-12	MYLAR	3300PF	5%	200V
C619	1-128-813-11	CERAMIC	220PF	5%	50V
C620	1-162-815-11	CERAMIC	47PF	5.00%	500V
C621	1-162-815-11	CERAMIC	47PF	5.00%	500V
C640	1-126-964-11	ELECT	10uF	20.00%	50V
C642	1-127-876-11	CERAMIC	0.01uF	10%	50V
C651	1-126-963-11	ELECT	4.7uF	20.00%	50V
C653	1-104-665-11	ELECT	100uF	20.00%	10V
C654	1-107-583-11	CERAMIC	3PF	8.33%	500V
C655	1-102-233-00	CERAMIC	33PF	10.00%	500V
C656	1-128-813-11	CERAMIC	220PF	5%	50V
C657	1-128-809-11	CERAMIC	100PF	5%	50V
C660	1-126-947-11	ELECT	47uF	20.00%	25V
C661	1-136-157-00	FILM	0.022uF	5.00%	50V
C666	1-162-815-11	CERAMIC	47PF	5.00%	500V
C669	1-162-815-11	CERAMIC	47PF	5.00%	500V
C670	1-128-813-11	CERAMIC	220PF	5%	50V
C680	1-126-964-11	ELECT	10uF	20.00%	50V
C681	1-127-876-11	CERAMIC	0.01uF	10%	50V
C691	1-164-159-11	CERAMIC	0.1uF		50V
C700	1-128-825-11	CERAMIC	2200PF	5%	50V
C701	1-126-963-11	ELECT	4.7uF	20.00%	50V
C703	1-104-665-11	ELECT	100uF	20.00%	10V
C704	1-107-583-11	CERAMIC	3PF	8.33%	500V
C705	1-102-233-00	CERAMIC	33PF	10.00%	500V
C706	1-128-813-11	CERAMIC	220PF	5%	50V
C707	1-128-809-11	CERAMIC	100PF	5%	50V
C710	1-126-947-11	ELECT	47uF	20.00%	25V
C711	1-136-157-00	FILM	0.022uF	5.00%	50V
C716	1-162-815-11	CERAMIC	47PF	5.00%	500V
C717	1-162-815-11	CERAMIC	47PF	5.00%	500V
C720	1-128-813-11	CERAMIC	220PF	5%	50V
C721	1-126-934-11	ELECT	220uF	20.00%	10V
C722	1-126-964-11	ELECT	10uF	20.00%	50V
C732	1-128-582-11	ELECT	10uF	20.00%	100V
C733	1-128-582-11	ELECT	10uF	20.00%	100V
C740	1-126-964-11	ELECT	10uF	20.00%	50V
C741	1-128-579-11	ELECT	2.2uF	20.00%	100V
C742	1-127-876-11	CERAMIC	0.01uF	10%	50V
C750	1-126-964-11	ELECT	10uF	20.00%	50V
C751	1-126-963-11	ELECT	4.7uF	20.00%	50V
C752	1-127-876-11	CERAMIC	0.01uF	10%	50V
C753	1-104-665-11	ELECT	100uF	20.00%	10V
C754	1-107-583-11	CERAMIC	3PF	8.33%	500V
C755	1-102-233-00	CERAMIC	33PF	10.00%	500V
C756	1-128-813-11	CERAMIC	220PF	5%	50V
C757	1-128-809-11	CERAMIC	100PF	5%	50V
C760	1-126-947-11	ELECT	47uF	20.00%	25V
C761	1-136-157-00	FILM	0.022uF	5.00%	50V
C766	1-162-815-11	CERAMIC	47PF	5.00%	500V
C767	1-162-815-11	CERAMIC	47PF	5.00%	500V
C770	1-128-813-11	CERAMIC	220PF	5%	50V
C800	1-128-825-11	CERAMIC	2200PF	5%	50V
C801	1-126-947-11	ELECT	47uF	20.00%	35V

Ref. No.	Part No.	Description				Remarks
C802	1-126-947-11	ELECT	47uF	20.00%	35V	
C803	1-165-498-11	ELECT	4700uF	20%	63V	
						(K740P)
C803	1-165-707-11	ELECT	10000uF	20%	71V	
						(K840P)
C804	1-165-498-11	ELECT	4700uF	20%	63V	
						(K740P)
C804	1-165-707-11	ELECT	10000uF	20%	71V	
						(K840P)
C805	1-135-851-21	MYLAR	0.22uF		100V	
C806	1-135-851-21	MYLAR	0.22uF		100V	
C807	1-104-665-11	ELECT	100uF	20.00%	10V	
C808	1-126-935-11	ELECT	470uF	20.00%	10V	
C810	1-164-159-11	CERAMIC	0.1uF		50V	
C822	1-126-947-11	ELECT	47uF	20.00%	35V	
C830	1-164-159-11	CERAMIC	0.1uF		50V	
C898	1-126-949-11	ELECT	220uF	20.00%	35V	
C899	1-126-948-11	ELECT	100uF	20.00%	35V	
C901	1-164-159-11	CERAMIC	0.1uF		50V	
C903	1-126-936-11	ELECT	3300uF	20.00%	16V	
CC02	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC03	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K840P:AEP,UK)
CC04	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC05	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC06	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC07	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC08	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC09	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC12	1-127-876-11	CERAMIC	0.01uF	10%	50V	
						(K740P:AEP,UK)
CC12	1-127-876-21	CERAMIC	0.01uF	10%	50V	
						(K840P:AEP,UK)
CC14	1-127-876-11	CERAMIC	0.01uF	10%	50V	
						(K740P:AEP,UK)
CC14	1-127-876-21	CERAMIC	0.01uF	10%	50V	
						(K840P:AEP,UK)
CC16	1-127-876-11	CERAMIC	0.01uF	10%	50V	
						(K740P:AEP,UK)
CC16	1-127-876-21	CERAMIC	0.01uF	10%	50V	
						(K840P:AEP,UK)
CC18	1-127-876-11	CERAMIC	0.01uF	10%	50V	
						(K740P:AEP,UK)
CC18	1-127-876-21	CERAMIC	0.01uF	10%	50V	
						(K840P:AEP,UK)
CC20	1-127-876-11	CERAMIC	0.01uF	10%	50V	
						(K740P:AEP,UK)
CC20	1-127-876-21	CERAMIC	0.01uF	10%	50V	
						(K840P:AEP,UK)
CC31	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC32	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC41	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC42	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC52	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC53	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K840P:AEP,UK)
CC54	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC55	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC56	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC57	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC58	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC59	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC61	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
CC62	1-128-809-11	CERAMIC	100PF	5%	50V	
						(K740P:AEP,UK/K840P:AEP,UK)
		< CONNECTOR >				
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P				
CNP502	1-784-038-21	CONNECTOR, BOARD TO BOARD 9P				
CNP504	1-569-315-11	SOCKET, CONNECTOR 5P				
* CNP801	1-564-104-00	PIN, CONNECTOR (B3P-VH) 3P				
CNP802	1-691-767-11	PLUG (MICRO CONNECTOR) 5P				
CNP911	1-784-928-11	PIN, CONNECTOR 13P				
CNP915	1-766-200-11	SOCKET, CONNECTOR PIN 5P				
		< DIODE >				
D505	8-719-911-19	DIODE 1SS133T-72				
D510	8-719-911-19	DIODE 1SS133T-72				
D540	8-719-911-19	DIODE 1SS133T-72				
D560	8-719-911-19	DIODE 1SS133T-72				
D605	8-719-911-19	DIODE 1SS133T-72				
D610	8-719-911-19	DIODE 1SS133T-72				
D640	8-719-911-19	DIODE 1SS133T-72				
D665	8-719-911-19	DIODE 1SS133T-72				
D680	8-719-911-19	DIODE 1SS133T-72				
D705	8-719-911-19	DIODE 1SS133T-72				
D710	8-719-911-19	DIODE 1SS133T-72				
D721	8-719-911-19	DIODE 1SS133T-72				
D722	8-719-911-19	DIODE 1SS133T-72				
D731	8-719-911-19	DIODE 1SS133T-72				
D732	8-719-911-19	DIODE 1SS133T-72				
D733	8-719-911-19	DIODE 1SS133T-72				
D734	8-719-911-19	DIODE 1SS133T-72				
D740	8-719-911-19	DIODE 1SS133T-72				
D750	8-719-911-19	DIODE 1SS133T-72				
D765	8-719-911-19	DIODE 1SS133T-72				

MAIN

Ref. No.	Part No.	Description	Remarks
D791	8-719-911-19	DIODE 1SS133T-72	
D801	8-719-934-21	DIODE HZS30-1LTA	
D802	8-719-072-05	DIODE RBV-602LF-A	
D804	8-719-068-24	DIODE HZ5.6BP-TK	
D804	8-719-118-63	DIODE RD5.6F-T7B2	
D896	8-719-043-76	DIODE AK04V1	
D902	8-719-024-99	DIODE 11ES2-NTA2B	
D903	8-719-024-99	DIODE 11ES2-NTA2B	
D904	8-719-024-99	DIODE 11ES2-NTA2B	
D905	8-719-024-99	DIODE 11ES2-NTA2B	
		< IC >	
IC201	8-759-827-92	IC M61511FP	
IC401	8-759-636-74	IC NJM4565DD	
IC501	8-749-011-16	IC STK350-230	
IC601	8-759-636-74	IC NJM4565DD	
IC701	6-700-943-01	IC uPC2581V-S	
IC702	6-700-943-01	IC uPC2581V-S	
IC801	8-759-605-00	IC M5F78M07L	
IC801	8-759-649-68	IC uPC78M07AHF	
IC802	8-759-604-95	IC M5F79M07L	
		< JACK >	
J401	1-779-380-11	JACK, PIN 6P (MULTI CH IN)	
J402	1-770-614-11	JACK, PIN 4P (CD, MD/TAPE OUT)	
J403	1-770-614-11	JACK, PIN 4P (MD/TAPE IN, DVD/LD IN)	
J404	1-779-380-11	JACK, PIN 6P (VIDEO 2 IN, VIDEO 1 IN/OUT)	
J405	1-774-843-11	JACK, PIN 1P (SUBWOOFER)	
		< COIL >	
L521	1-422-009-13	COIL, AIR-CORE	
L601	1-422-009-13	COIL, AIR-CORE	
L651	1-422-009-13	COIL, AIR-CORE	
L701	1-422-009-13	COIL, AIR-CORE	
L751	1-422-009-13	COIL, AIR-CORE	
		< TRANSISTOR >	
Q361	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q362	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q363	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q364	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q365	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q366	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q379	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q471	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q501	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q502	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q503	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q504	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q505	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q506	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q540	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q550	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q560	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q601	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q602	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q603	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q604	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q605	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q606	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q610	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q640	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q651	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q652	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q653	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q654	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q655	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q656	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q680	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q691	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q692	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q701	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q702	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q703	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q704	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q705	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q706	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q710	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q722	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q723	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q725	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q740	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q747	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q748	8-729-900-36	TRANSISTOR BA1F4M-TP	
Q750	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q751	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q752	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q753	8-749-010-25	TRANSISTOR MN2488-OPY-M	
Q754	8-749-010-26	TRANSISTOR MP1620-OPY-M	
Q755	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q756	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q790	8-729-119-79	TRANSISTOR 2SC2785TP-FEK	
Q801	8-729-140-97	TRANSISTOR 2SB734-T-34	
		< RESISTOR >	
R360	1-249-441-11	CARBON 100K 5% 1/4W	
R361	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R362	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R363	1-249-441-11	CARBON 100K 5% 1/4W	
R366	1-249-429-11	CARBON 10K 5% 1/4W	
R367	1-249-441-11	CARBON 100K 5% 1/4W	
R368	1-249-437-11	CARBON 47K 5% 1/4W	
R369	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R370	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R371	1-249-441-11	CARBON 100K 5% 1/4W	
R372	1-249-441-11	CARBON 100K 5% 1/4W	
R373	1-249-417-11	CARBON 1K 5% 1/4W	F
R374	1-249-417-11	CARBON 1K 5% 1/4W	F
R375	1-249-417-11	CARBON 1K 5% 1/4W	F
R376	1-249-417-11	CARBON 1K 5% 1/4W	F
R377	1-249-417-11	CARBON 1K 5% 1/4W	F
R378	1-249-417-11	CARBON 1K 5% 1/4W	F
R379	1-249-425-11	CARBON 4.7K 5% 1/4W	F
R380	1-249-441-11	CARBON 100K 5% 1/4W	
R381	1-249-429-11	CARBON 10K 5% 1/4W	

Ref. No.	Part No.	Description			Remarks
R402	1-249-417-11	CARBON	1K	5%	1/4W F
R404	1-249-417-11	CARBON	1K	5%	1/4W F
R405	1-249-417-11	CARBON	1K	5%	1/4W F
R406	1-249-417-11	CARBON	1K	5%	1/4W F
R407	1-249-417-11	CARBON	1K	5%	1/4W F
R408	1-249-417-11	CARBON	1K	5%	1/4W F
R409	1-249-417-11	CARBON	1K	5%	1/4W F
R411	1-249-417-11	CARBON	1K	5%	1/4W F
R412	1-249-417-11	CARBON	1K	5%	1/4W F
R413	1-249-437-11	CARBON	47K	5%	1/4W
R414	1-249-437-11	CARBON	47K	5%	1/4W
R415	1-249-437-11	CARBON	47K	5%	1/4W
R416	1-249-437-11	CARBON	47K	5%	1/4W
R417	1-249-437-11	CARBON	47K	5%	1/4W
R418	1-249-437-11	CARBON	47K	5%	1/4W
R419	1-249-437-11	CARBON	47K	5%	1/4W
R420	1-249-437-11	CARBON	47K	5%	1/4W
R422	1-249-437-11	CARBON	47K	5%	1/4W
R424	1-249-437-11	CARBON	47K	5%	1/4W
R425	1-249-437-11	CARBON	47K	5%	1/4W
R426	1-249-437-11	CARBON	47K	5%	1/4W
R427	1-249-437-11	CARBON	47K	5%	1/4W
R431	1-249-417-11	CARBON	1K	5%	1/4W F
R432	1-249-417-11	CARBON	1K	5%	1/4W F
R435	1-249-437-11	CARBON	47K	5%	1/4W
R436	1-249-437-11	CARBON	47K	5%	1/4W
R442	1-249-437-11	CARBON	47K	5%	1/4W
R444	1-249-437-11	CARBON	47K	5%	1/4W
R445	1-249-437-11	CARBON	47K	5%	1/4W
R446	1-249-437-11	CARBON	47K	5%	1/4W
R447	1-249-437-11	CARBON	47K	5%	1/4W
R452	1-249-417-11	CARBON	1K	5%	1/4W F
R454	1-249-417-11	CARBON	1K	5%	1/4W F
R455	1-249-417-11	CARBON	1K	5%	1/4W F
R456	1-249-417-11	CARBON	1K	5%	1/4W F
R457	1-249-417-11	CARBON	1K	5%	1/4W F
R458	1-249-417-11	CARBON	1K	5%	1/4W F
R459	1-249-417-11	CARBON	1K	5%	1/4W F
R461	1-249-417-11	CARBON	1K	5%	1/4W F
R462	1-249-417-11	CARBON	1K	5%	1/4W F
R463	1-249-437-11	CARBON	47K	5%	1/4W
R464	1-249-437-11	CARBON	47K	5%	1/4W
R469	1-249-417-11	CARBON	1K	5%	1/4W F
R470	1-249-437-11	CARBON	47K	5%	1/4W
R471	1-249-417-11	CARBON	1K	5%	1/4W F
R472	1-249-417-11	CARBON	1K	5%	1/4W F
R473	1-249-421-11	CARBON	2.2K	5%	1/4W F
R474	1-249-432-11	CARBON	18K	5%	1/4W
R475	1-249-421-11	CARBON	2.2K	5%	1/4W F
R499	1-249-437-11	CARBON	47K	5%	1/4W
R501	1-249-417-11	CARBON	1K	5%	1/4W F
R502	1-249-439-11	CARBON	68K	5%	1/4W
R503	1-249-416-11	CARBON	820	5%	1/4W F (K740P)
R503	1-249-414-11	CARBON	560	5%	1/4W F (K840P)
R504	1-249-411-11	CARBON	330	5%	1/4W
R505	1-249-439-11	CARBON	68K	5%	1/4W
R510	1-249-421-11	CARBON	2.2K	5%	1/4W F
R511	1-249-440-11	CARBON	82K	5%	1/4W
R513	1-249-414-11	CARBON	560	5%	1/4W F
⚠R514	1-249-405-11	CARBON	100	5%	1/4W F
⚠R515	1-249-405-11	CARBON	100	5%	1/4W F
⚠R516	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R517	1-249-393-11	CARBON	10	5%	1/4W F
R520	1-249-425-11	CARBON	4.7K	5%	1/4W F
R521	1-247-850-11	CARBON	6.2K	5%	1/4W
R522	1-249-419-11	CARBON	1.5K	5%	1/4W F
R524	1-249-431-11	CARBON	15K	5%	1/4W
R525	1-249-439-11	CARBON	68K	5%	1/4W
⚠R528	1-249-389-11	CARBON	4.7	5%	1/4W F
R531	1-249-425-11	CARBON	4.7K	5%	1/4W F
R532	1-249-425-11	CARBON	4.7K	5%	1/4W F
R533	1-249-437-11	CARBON	47K	5%	1/4W
⚠R534	1-249-389-11	CARBON	4.7	5%	1/4W F
R540	1-249-435-11	CARBON	33K	5%	1/4W
R546	1-249-422-11	CARBON	2.7K	5%	1/4W F (K740P)
R546	1-247-843-11	CARBON	3.3K	5%	1/4W (K840P)
R555	1-249-433-11	CARBON	22K	5%	1/4W
R556	1-249-433-11	CARBON	22K	5%	1/4W
R557	1-249-431-11	CARBON	15K	5%	1/4W
R573	1-249-437-11	CARBON	47K	5%	1/4W
R601	1-249-417-11	CARBON	1K	5%	1/4W F
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-249-416-11	CARBON	820	5%	1/4W F (K740P)
R603	1-249-414-11	CARBON	560	5%	1/4W F (K840P)
R604	1-249-439-11	CARBON	68K	5%	1/4W
R610	1-249-421-11	CARBON	2.2K	5%	1/4W F
R611	1-249-440-11	CARBON	82K	5%	1/4W
R613	1-249-414-11	CARBON	560	5%	1/4W F
⚠R614	1-249-405-11	CARBON	100	5%	1/4W F
⚠R615	1-249-405-11	CARBON	100	5%	1/4W F
⚠R616	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R617	1-249-393-11	CARBON	10	5%	1/4W F
⚠R618	1-249-389-11	CARBON	4.7	5%	1/4W F
R620	1-249-425-11	CARBON	4.7K	5%	1/4W F
R621	1-247-850-11	CARBON	6.2K	5%	1/4W
R622	1-249-419-11	CARBON	1.5K	5%	1/4W F
R623	1-249-437-11	CARBON	47K	5%	1/4W
R624	1-249-431-11	CARBON	15K	5%	1/4W
R625	1-249-439-11	CARBON	68K	5%	1/4W
R631	1-249-425-11	CARBON	4.7K	5%	1/4W F
⚠R634	1-249-389-11	CARBON	4.7	5%	1/4W F
R638	1-249-439-11	CARBON	68K	5%	1/4W
R640	1-249-435-11	CARBON	33K	5%	1/4W
R648	1-249-422-11	CARBON	2.7K	5%	1/4W F (K740P)
R648	1-247-843-11	CARBON	3.3K	5%	1/4W (K840P)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MAIN

Ref. No.	Part No.	Description			Remarks
R651	1-249-417-11	CARBON	1K	5%	1/4W F
R652	1-249-439-11	CARBON	68K	5%	1/4W
R653	1-249-416-11	CARBON	820	5%	1/4W F (K740P)
R653	1-249-414-11	CARBON	560	5%	1/4W F (K840P)
R654	1-249-439-11	CARBON	68K	5%	1/4W
R655	1-249-433-11	CARBON	22K	5%	1/4W
R656	1-249-433-11	CARBON	22K	5%	1/4W
R657	1-249-431-11	CARBON	15K	5%	1/4W
R660	1-249-421-11	CARBON	2.2K	5%	1/4W F
R661	1-249-440-11	CARBON	82K	5%	1/4W
R663	1-249-414-11	CARBON	560	5%	1/4W F
⚠R664	1-249-405-11	CARBON	100	5%	1/4W F
R665	1-249-405-11	CARBON	100	5%	1/4W F
⚠R666	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R667	1-249-393-11	CARBON	10	5%	1/4W F
⚠R668	1-249-389-11	CARBON	4.7	5%	1/4W F
R669	1-249-425-11	CARBON	4.7K	5%	1/4W F
R671	1-247-850-11	CARBON	6.2K	5%	1/4W
R672	1-249-419-11	CARBON	1.5K	5%	1/4W F
R673	1-249-437-11	CARBON	47K	5%	1/4W
R674	1-249-431-11	CARBON	15K	5%	1/4W
R675	1-249-433-11	CARBON	22K	5%	1/4W
R676	1-249-433-11	CARBON	22K	5%	1/4W
R677	1-249-431-11	CARBON	15K	5%	1/4W
R680	1-249-435-11	CARBON	33K	5%	1/4W
R681	1-249-422-11	CARBON	2.7K	5%	1/4W F (K740P)
R681	1-247-843-11	CARBON	3.3K	5%	1/4W (K840P)
R691	1-215-888-00	METAL OXIDE	220	5%	2W
R692	1-215-889-00	METAL OXIDE	330	5%	2W
R693	1-249-417-11	CARBON	1K	5%	1/4W F
R694	1-249-429-11	CARBON	10K	5%	1/4W
R695	1-249-429-11	CARBON	10K	5%	1/4W
R696	1-249-433-11	CARBON	22K	5%	1/4W
R697	1-249-417-11	CARBON	1K	5%	1/4W F
R698	1-249-417-11	CARBON	1K	5%	1/4W F
R701	1-249-417-11	CARBON	1K	5%	1/4W F
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-249-416-11	CARBON	820	5%	1/4W F (K740P)
R703	1-249-414-11	CARBON	560	5%	1/4W F (K840P)
R704	1-249-439-11	CARBON	68K	5%	1/4W
R710	1-249-421-11	CARBON	2.2K	5%	1/4W F
R711	1-249-440-11	CARBON	82K	5%	1/4W
R713	1-249-414-11	CARBON	560	5%	1/4W F
⚠R714	1-249-405-11	CARBON	100	5%	1/4W F
⚠R715	1-249-405-11	CARBON	100	5%	1/4W F
⚠R716	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R717	1-249-393-11	CARBON	10	5%	1/4W F
⚠R718	1-249-389-11	CARBON	4.7	5%	1/4W F
R719	1-249-425-11	CARBON	4.7K	5%	1/4W F
R721	1-247-850-11	CARBON	6.2K	5%	1/4W
R722	1-249-419-11	CARBON	1.5K	5%	1/4W F
R723	1-249-437-11	CARBON	47K	5%	1/4W
R724	1-249-431-11	CARBON	15K	5%	1/4W
R725	1-249-439-11	CARBON	68K	5%	1/4W
R731	1-249-425-11	CARBON	4.7K	5%	1/4W F
⚠R732	1-249-381-11	CARBON	1	5%	1/4W F
⚠R733	1-249-381-11	CARBON	1	5%	1/4W F
⚠R734	1-249-389-11	CARBON	4.7	5%	1/4W F
R735	1-249-427-11	CARBON	6.8K	5%	1/4W F
R736	1-249-417-11	CARBON	1K	5%	1/4W F
R737	1-249-436-11	CARBON	39K	5%	1/4W
R740	1-249-435-11	CARBON	33K	5%	1/4W
R742	1-249-437-11	CARBON	47K	5%	1/4W
R743	1-249-433-11	CARBON	22K	5%	1/4W
R744	1-249-433-11	CARBON	22K	5%	1/4W
R745	1-249-433-11	CARBON	22K	5%	1/4W
R746	1-249-433-11	CARBON	22K	5%	1/4W
R747	1-249-431-11	CARBON	15K	5%	1/4W
R748	1-249-422-11	CARBON	2.7K	5%	1/4W F (K740P)
R748	1-247-843-11	CARBON	3.3K	5%	1/4W (K840P)
R750	1-249-435-11	CARBON	33K	5%	1/4W
R751	1-249-417-11	CARBON	1K	5%	1/4W F
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-249-416-11	CARBON	820	5%	1/4W F (K740P)
R753	1-249-414-11	CARBON	560	5%	1/4W F (K840P)
R754	1-249-439-11	CARBON	68K	5%	1/4W
R755	1-249-433-11	CARBON	22K	5%	1/4W
R756	1-249-433-11	CARBON	22K	5%	1/4W
R757	1-249-431-11	CARBON	15K	5%	1/4W
R758	1-249-422-11	CARBON	2.7K	5%	1/4W F (K740P)
R758	1-247-843-11	CARBON	3.3K	5%	1/4W (K840P)
R760	1-249-421-11	CARBON	2.2K	5%	1/4W F
R761	1-249-440-11	CARBON	82K	5%	1/4W
R763	1-249-414-11	CARBON	560	5%	1/4W F
⚠R764	1-249-405-11	CARBON	100	5%	1/4W F
⚠R765	1-249-405-11	CARBON	100	5%	1/4W F
⚠R766	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R767	1-249-393-11	CARBON	10	5%	1/4W F
⚠R768	1-249-389-11	CARBON	4.7	5%	1/4W F
R769	1-249-425-11	CARBON	4.7K	5%	1/4W F
R770	1-249-437-11	CARBON	47K	5%	1/4W
R771	1-247-850-11	CARBON	6.2K	5%	1/4W
R772	1-249-419-11	CARBON	1.5K	5%	1/4W F
R773	1-249-437-11	CARBON	47K	5%	1/4W
R775	1-249-439-11	CARBON	68K	5%	1/4W
R778	1-249-431-11	CARBON	15K	5%	1/4W
R780	1-249-429-11	CARBON	10K	5%	1/4W
R791	1-249-425-11	CARBON	4.7K	5%	1/4W F
R792	1-215-867-00	METAL OXIDE	470	5%	1W (K740P)
R792	1-215-868-00	METAL OXIDE	680	5%	1W (K840P)

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remarks
⚠R793	1-249-389-11	CARBON	4.7	5%	1/4W F
R794	1-215-867-00	METAL OXIDE	470	5%	1W (K740P)
R794	1-215-868-00	METAL OXIDE	680	5%	1W (K840P)
⚠R802	1-249-381-11	CARBON	1	5%	1/4W F
⚠R803	1-249-389-11	CARBON	4.7	5%	1/4W F
R804	1-249-426-11	CARBON	5.6K	5%	1/4W
⚠R910	1-243-635-11	FUSIBLE	0.33	5%	1/2W
RR11	1-249-393-11	CARBON	10	5%	1/4W F (K740P:AEP,UK/K840P:AEP,UK)
⚠RR12	1-249-393-11	CARBON	10	5%	1/4W F (K740P:AEP,UK/K840P:AEP,UK)
⚠RR13	1-249-393-11	CARBON	10	5%	1/4W F (K740P:AEP,UK/K840P:AEP,UK)
⚠RR14	1-249-393-11	CARBON	10	5%	1/4W F (K740P:AEP,UK/K840P:AEP,UK)
⚠RR15	1-249-393-11	CARBON	10	5%	1/4W F (K740P:AEP,UK/K840P:AEP,UK)
		< RELAY >			
RY501	1-755-170-11	RELAY (12V)			
RY560	1-755-267-11	RELAY			
RY601	1-755-170-11	RELAY (12V)			
RY701	1-755-170-11	RELAY (12V)			
RY791	1-755-170-11	RELAY (12V)			
		< TERMINAL >			
TM601	1-537-510-11	TERMINAL BOARD (SPEAKER) (6P) (SPEAKERS SURROUND/CENTER)			
TM602	1-537-925-61	TERMINAL BOARD (SPEAKERS FRONT)			
**********					
	1-683-759-11	POWER SW BOARD			
		**********			
		< CONNECTOR >			
CNP104	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
		< RESISTOR >			
R138	1-249-425-11	CARBON	4.7K	5%	1/4W F
R139	1-249-429-11	CARBON	10K	5%	1/4W
		< SWITCH >			
S143	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S144	1-771-410-21	SWITCH, TACTILE (DIMMER)			
S145	1-771-410-21	SWITCH, TACTILE (I/⏻)			
**********					

Ref. No.	Part No.	Description			Remarks
	A-4676-982-A	STANDBY BOARD, COMPLETE (K840P:MX)			
		**********			
	A-4727-969-A	STANDBY BOARD, COMPLETE (K740P:MY,SP/K840P:MY,SP,AR)			
		**********			
	A-4727-972-A	STANDBY BOARD, COMPLETE (K740P:E/K840P:E)			
		**********			
	A-4727-979-A	STANDBY BOARD, COMPLETE (K740P:AEP,UK/K840P:AEP,UK)			
		**********			
	A-4727-816-A	STANDBY BOARD, COMPLETE (K740P:US,CND/K840P:US,CND)			
		**********			
	1-533-293-11	FUSE HOLDER			
		< CAPACITOR >			
C813	1-164-159-11	CERAMIC	0.1uF		50V
C814	1-164-159-11	CERAMIC	0.1uF		50V
C815	1-126-943-11	ELECT	2200uF	20.00%	25V
C816	1-126-941-11	ELECT	470uF	20.00%	25V
C920	1-164-159-11	CERAMIC	0.1uF		50V
C921	1-164-159-11	CERAMIC	0.1uF		50V
C923	1-126-948-11	ELECT	100uF	20.00%	35V
C950	1-126-936-11	ELECT	3300uF	20.00%	16V
		< CONNECTOR >			
CNP901	1-564-321-00	PIN, CONNECTOR 2P			
* CNP902	1-565-792-11	PIN, CONNECTOR 2P			
CNP903	1-564-506-11	PLUG, CONNECTOR 3P			
CNP905	1-766-203-11	PLUG,CONNECTOR PIN(PC BOARD)5P			
CNP906	1-784-921-11	PIN, CONNECTOR 4P (K740P:E/K840P:E)			
CNP912	1-784-921-11	PIN, CONNECTOR 4P			
		< DIODE >			
D820	8-719-024-99	DIODE 11ES2-NTA2B			
D821	8-719-024-99	DIODE 11ES2-NTA2B			
D822	8-719-024-99	DIODE 11ES2-NTA2B			
D823	8-719-024-99	DIODE 11ES2-NTA2B			
D898	8-719-024-99	DIODE 11ES2-NTA2B			
D899	8-719-024-99	DIODE 11ES2-NTA2B			
D901	8-719-911-19	DIODE 1SS133T-72			
D910	8-719-024-99	DIODE 11ES2-NTA2B			
D911	8-719-024-99	DIODE 11ES2-NTA2B			
D912	8-719-024-99	DIODE 11ES2-NTA2B			
D913	8-719-024-99	DIODE 11ES2-NTA2B			
D914	8-719-911-19	DIODE 1SS133T-72			
D915	8-719-911-19	DIODE 1SS133T-72			
		< FUSE >			
⚠F901	1-532-464-31	FUSE (T) 2.5A/250V (EXCEPT K740P:US,CND/K840P:US,CND,MX)			
⚠F901	1-533-454-11	FUSE, GLASS TUBE (DIA. 5) 6.3A/125V (K740P:US,CND/K840P:US,CND,MX)			
		< EARTH >			
* G901	1-537-738-21	TERMINAL, EARTH			

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STANDBY **VIDEO**

Ref. No.	Part No.	Description			Remarks
		< TRANSISTOR >			
Q901	8-729-119-79	TRANSISTOR	2SC2785TP-FEK		
Q921	8-729-281-53	TRANSISTOR	2SC1815GR-TPE2		
		< RESISTOR >			
⚠R810	1-240-877-11	FUSIBLE	0.15	5% 1/2W	
⚠R811	1-240-877-11	FUSIBLE	0.15	5% 1/2W	
⚠R812	1-240-877-11	FUSIBLE	0.15	5% 1/2W	
⚠R901	1-219-237-91	SOLID	3.3M	20% 1/2W	
			(K740P:US,CND/K840P:US,CND)		
R902	1-249-437-11	CARBON	47K	5% 1/4W	
R903	1-249-425-11	CARBON	4.7K	5% 1/4W	F
⚠R904	1-249-381-11	CARBON	1	5% 1/4W	F
R921	1-249-425-11	CARBON	4.7K	5% 1/4W	F
R922	1-249-425-11	CARBON	4.7K	5% 1/4W	F
R923	1-249-425-11	CARBON	4.7K	5% 1/4W	F
		< RELAY >			
⚠RY901	1-755-276-11	RELAY, POWER			
		< TRANSFORMER >			
⚠T902	1-435-436-11	TRANSFORMER, POWER			
		(K740P:US,CND/K840P:US,CND,MX)			
⚠T902	1-435-434-11	TRANSFORMER, POWER (K740P:E/K840P:E)			
⚠T902	1-435-435-11	TRANSFORMER, POWER			
		(K740P:AEP,UK,MY,SP/K840P:AEP,UK,MY,SP,AR)			
**********					
	A-4727-968-A	VIDEO BOARD, COMPLETE			
		(K740P:AEP,UK,E,MY,SP/K840P:AEP,UK,E,MY,SP,AR)			
		**********			
	A-4727-815-A	VIDEO BOARD, COMPLETE			
		(K740P:CND,US/K840P:CND,US,MX)			
		**********			
		< CAPACITOR >			
C200	1-128-805-11	CERAMIC	47PF	5% 50V	
C201	1-128-805-11	CERAMIC	47PF	5% 50V	
C206	1-126-960-11	ELECT	1uF	20.00% 50V	
C207	1-126-960-11	ELECT	1uF	20.00% 50V	
C208	1-126-960-11	ELECT	1uF	20.00% 50V	
C210	1-126-964-11	ELECT	10uF	20.00% 50V	
C213	1-126-964-11	ELECT	10uF	20.00% 50V	
C214	1-164-159-11	CERAMIC	0.1uF	50V	
C215	1-164-159-11	CERAMIC	0.1uF	50V	
C248	1-128-825-11	CERAMIC	2200PF	5% 50V	
C249	1-128-825-11	CERAMIC	2200PF	5% 50V	
C809	1-104-665-11	ELECT	100uF	20.00% 10V	
C825	1-164-159-11	CERAMIC	0.1uF	50V	
C827	1-126-947-11	ELECT	47uF	20.00% 25V	
		< CONNECTOR >			
CNP156	1-784-921-11	PIN, CONNECTOR 4P			
CNS150	1-569-315-11	SOCKET, CONNECTOR 5P			
		< DIODE >			
D203	8-719-911-19	DIODE 1SS133T-72			
D204	8-719-911-19	DIODE 1SS133T-72			
D833	8-719-043-76	DIODE AK04V1			

Ref. No.	Part No.	Description			Remarks
		< IC >			
IC103	6-701-890-01	IC NJM2595D			
IC804	8-759-701-65	IC NJM79M05FA			
IC807	8-759-039-69	IC uPC7805AHF			
IC807	8-759-231-53	IC M5F7805L			
IC807	8-759-701-75	IC NJM7805FA			
		< JACK >			
J200	1-770-337-11	JACK, PIN 3P			
		(VIDEO 1 OUT, VIDEO 2 IN, DVD/LD IN)			
J201	1-695-317-11	JACK, PIN 2P (MONITOR OUT, VIDEO 1 IN)			
		< RESISTOR >			
R200	1-247-804-11	CARBON	75	5% 1/4W	
R201	1-247-804-11	CARBON	75	5% 1/4W	
R218	1-247-804-11	CARBON	75	5% 1/4W	
R220	1-247-804-11	CARBON	75	5% 1/4W	
R221	1-247-804-11	CARBON	75	5% 1/4W	
**********					

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Ref. No.	Part No.	Description	Remarks
		MISCELLANEOUS	
		**********	
7	1-773-250-11	WIRE (FLAT TYPE) (27 CORE)	
57	1-575-662-31	WIRE (FLAT TYPE) (5 CORE) (K840P:AR,MX)	
57	1-769-844-11	WIRE (FLAT TYPE) (5 CORE) (K740P/K840P:US,CND,AEP,UK,E,MY,SP)	
59	1-693-577-21	TUNER PACK (K740P:US,CND,E/K840P:US,CND,E,MX)	
59	1-693-578-21	TUNER PACK (K740P:AEP,UK/K840P:AEP,UK)	
59	1-693-580-21	TUNER PACK (K740P:MY,SP/K840P:MY,SP,AR)	
60	1-769-940-11	WIRE (FLAT TYPE) (11 CORE) (EXCEPT K740P:AEP,UK/K840P:AEP,UK)	
60	1-773-004-11	WIRE (FLAT TYPE) (15 CORE) (K740P:AEP,UK/K840P:AEP,UK)	
⚠64	1-777-071-21	CORD, POWER (K740P:AEP,UK,E/K840P:AEP,UK,E,MY,SP)	
⚠64	1-783-820-11	CORD, POWER (K740P:US,CND/K840P:US,CND,MX)	
⚠64	1-783-941-12	CORD, POWER (K840P:AR)	
67	1-500-386-11	FILTER, CLAMP (FERRITE CORE) (K740P/K840P:US,CND,AEP,UK,E,MY,SP)	
⚠T901	1-437-629-11	POWER TRANSFORMER (K840P:AR)	
⚠T901	1-435-901-11	POWER, TRANSFORMER (K840P:E)	
⚠T901	1-435-903-11	TRANSFORMER, POWER (K840P:AEP,UK,MY,SP)	
⚠T901	1-435-905-11	TRANSFORMER, POWER (K840P:CND)	
⚠T901	1-435-906-11	TRANSFORMER, POWER (K840P:US,MX)	
⚠T901	1-437-639-11	POWER TRANSFORMER (K740P:US)	
⚠T901	1-437-641-11	POWER TRANSFORMER (K740P:CND)	
⚠T901	1-437-642-11	POWER TRANSFORMER (K740P:AEP,UK)	
FL101	1-518-718-11	INDICATOR TUBE, FLUORESCENT	

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MEMO

STR-K740P/K840P

SONY

SERVICE MANUAL

Ver 1.2 2003. 09

US Model
Canadian Model
AEP Model
UK Model
E Model

SUPPLEMENT-1

File this supplement with the service manual.

Subject : Change of IC701, IC702.

(SPM-03064)

The IC701 and IC702 on the US model have been changed from µPC2581V-S to STK350-030 in the process of production.
Based on these changes, the MAIN board and VIDEO board are changed and the STK board is added.
This SERVICE MANUAL SUPPLEMENT-1 only describeds the changes made.

9-873-544-81

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2. Schematic Diagram –Main Section (1/2)– 4
3. Schematic Diagram –Main Section (2/2)– 5
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6. Printed Wiring Board –Video Section– 8
7. Schematic Diagram –Video Section– 9
8. Electrical Parts List 10

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this necessary note is printed in each block.)

For schematic diagrams.
Note:

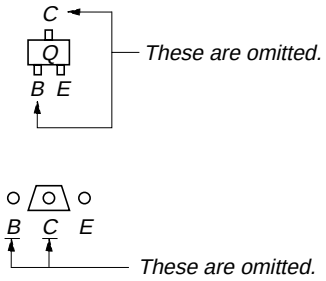
- All capacitors are in µF unless otherwise noted. p : pF. 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line.
- : B– Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  No mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
  : FM
  : CD (ANALOG)
  : DVD (DIGITAL)
- Abbreviation
  CND : Canadian model
  MY : Malaysia model
  SP : Singapore model
  AR : Argentine model
  MX : Mexican model

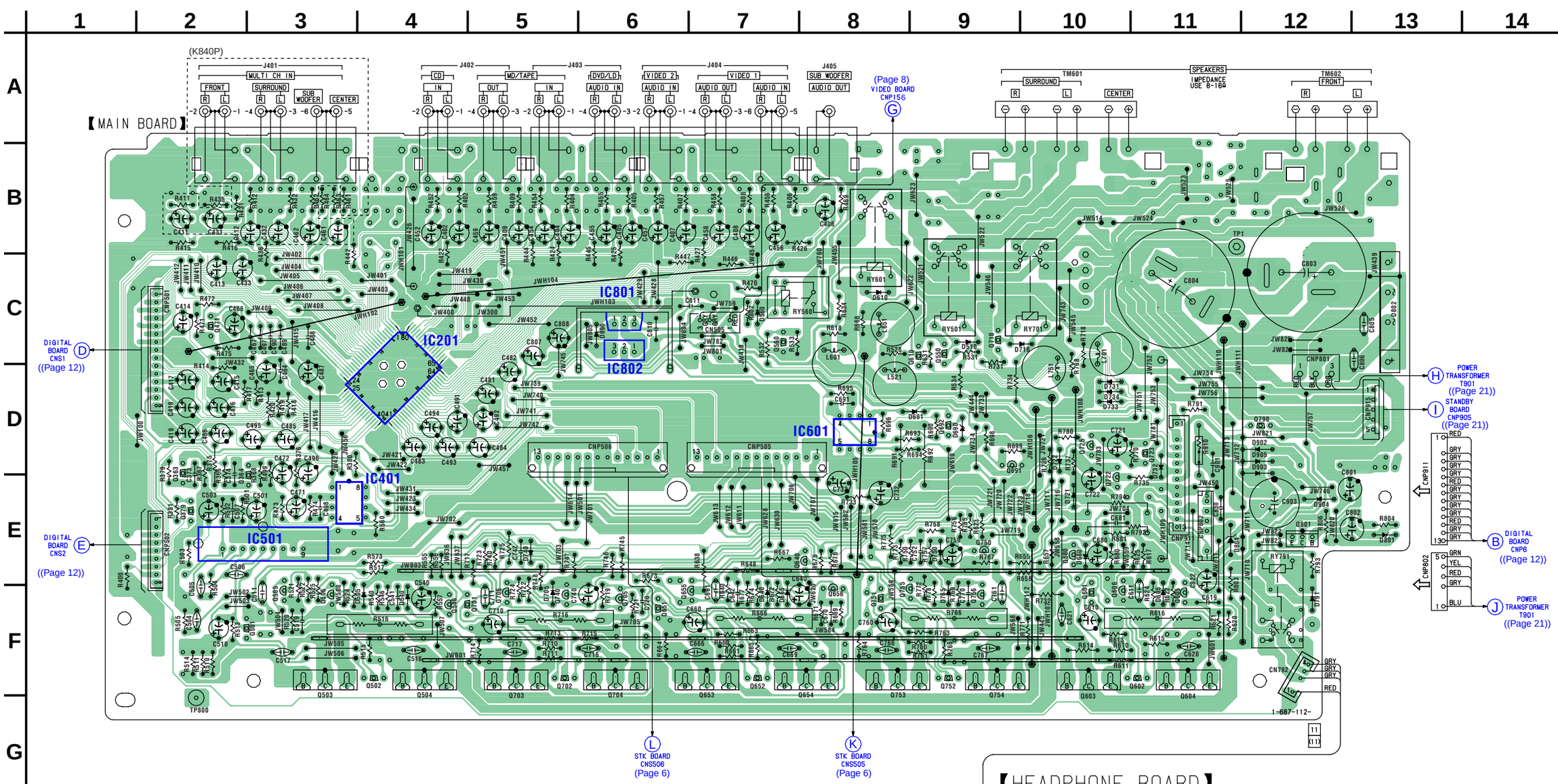
For printed wiring boards.
Note:

- : parts extracted from the component side.
- ○ : Through hole.
- △ : internal component.
- : Pattern from the side which enables seeing.



Caution:	
Pattern face side: (Side A)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side B)	Parts on the parts face side seen from the parts face are indicated.

1. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 2 for Common Note on Printed Wiring Boards.

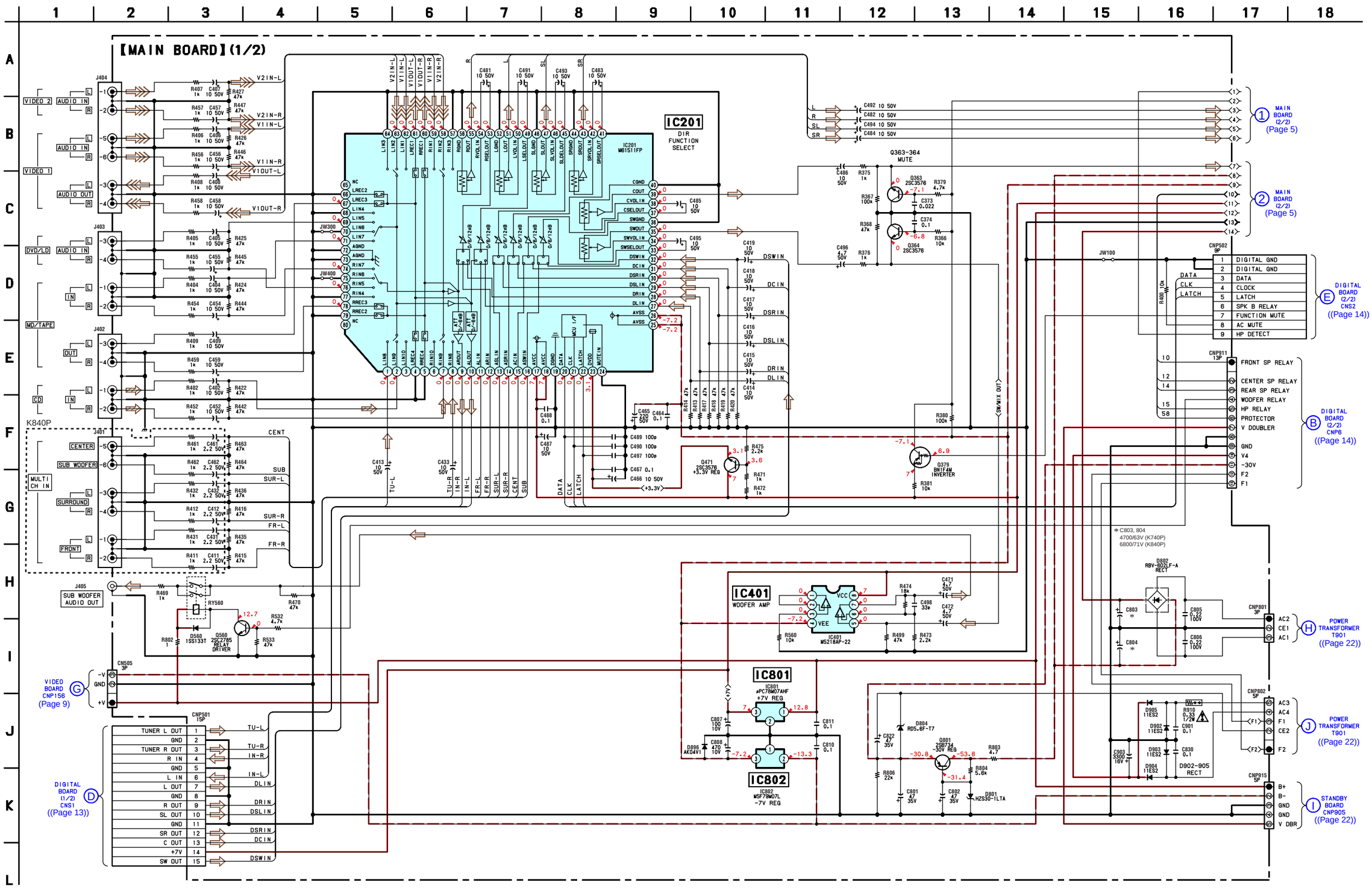


• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	F-4	D734	D-10	IC801	C-6	Q603	F-10	Q704	F-6
D510	C-9	D740	F-5	IC802	C-6	Q604	F-11	Q705	F-6
D540	F-4	D750	E-9			Q605	F-11	Q706	F-6
D560	C-7	D765	F-9	Q363	D-2	Q606	F-10	Q710	C-9
D605	F-11	D791	F-12	Q364	D-2	Q610	C-9	Q722	D-10
D610	C-8	D801	E-13	Q379	E-2	Q640	E-8	Q723	D-11
D640	F-7	D802	C-13	Q471	C-2	Q651	F-6	Q725	D-10
D665	F-7	D804	E-11	Q501	F-3	Q652	F-7	Q740	F-5
D680	E-10	D896	C-6	Q502	F-4	Q653	F-7	Q750	E-9
D690	D-9	D902	D-12	Q503	F-3	Q654	F-8	Q751	F-8
D691	D-9	D903	D-12	Q504	F-4	Q655	F-6	Q752	F-9
D705	E-5	D904	E-12	Q505	F-3	Q656	F-8	Q753	F-8
D710	C-10	D905	D-12	Q506	F-3	Q680	E-10	Q754	F-9
D721	E-10			Q540	F-4	Q691	D-9	Q755	F-9
D722	D-10	IC201	D-4	Q550	C-9	Q692	D-9	Q756	F-9
D731	D-10	IC401	E-3	Q560	C-7	Q701	F-5	Q790	D-12
D732	D-10	IC501	E-3	Q601	F-10	Q702	F-5	Q801	E-12
D733	D-10	IC601	D-8	Q602	F-11	Q703	F-5		

2. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) —

• Refer to page 2 for Common Note on Schematic Diagram.



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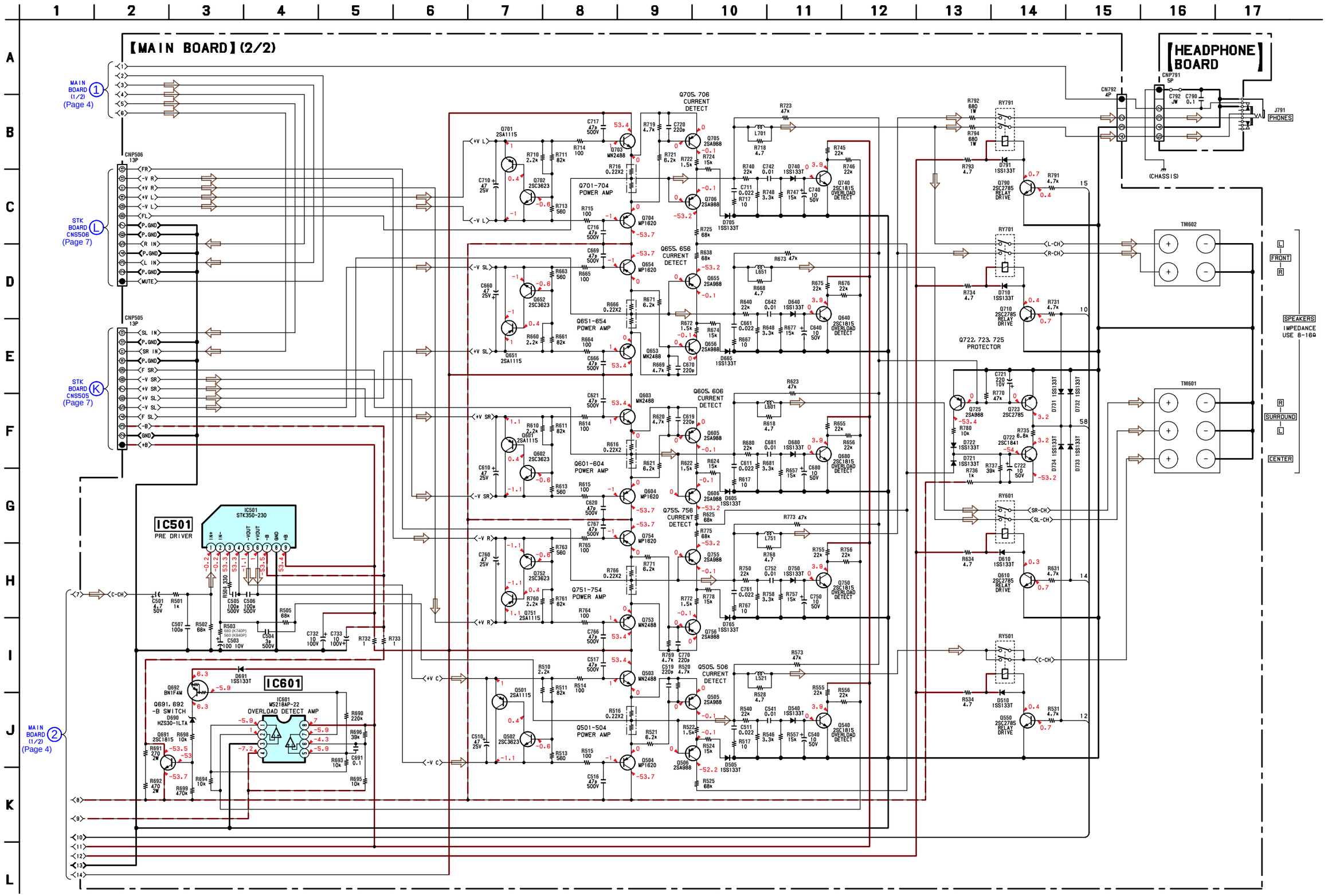
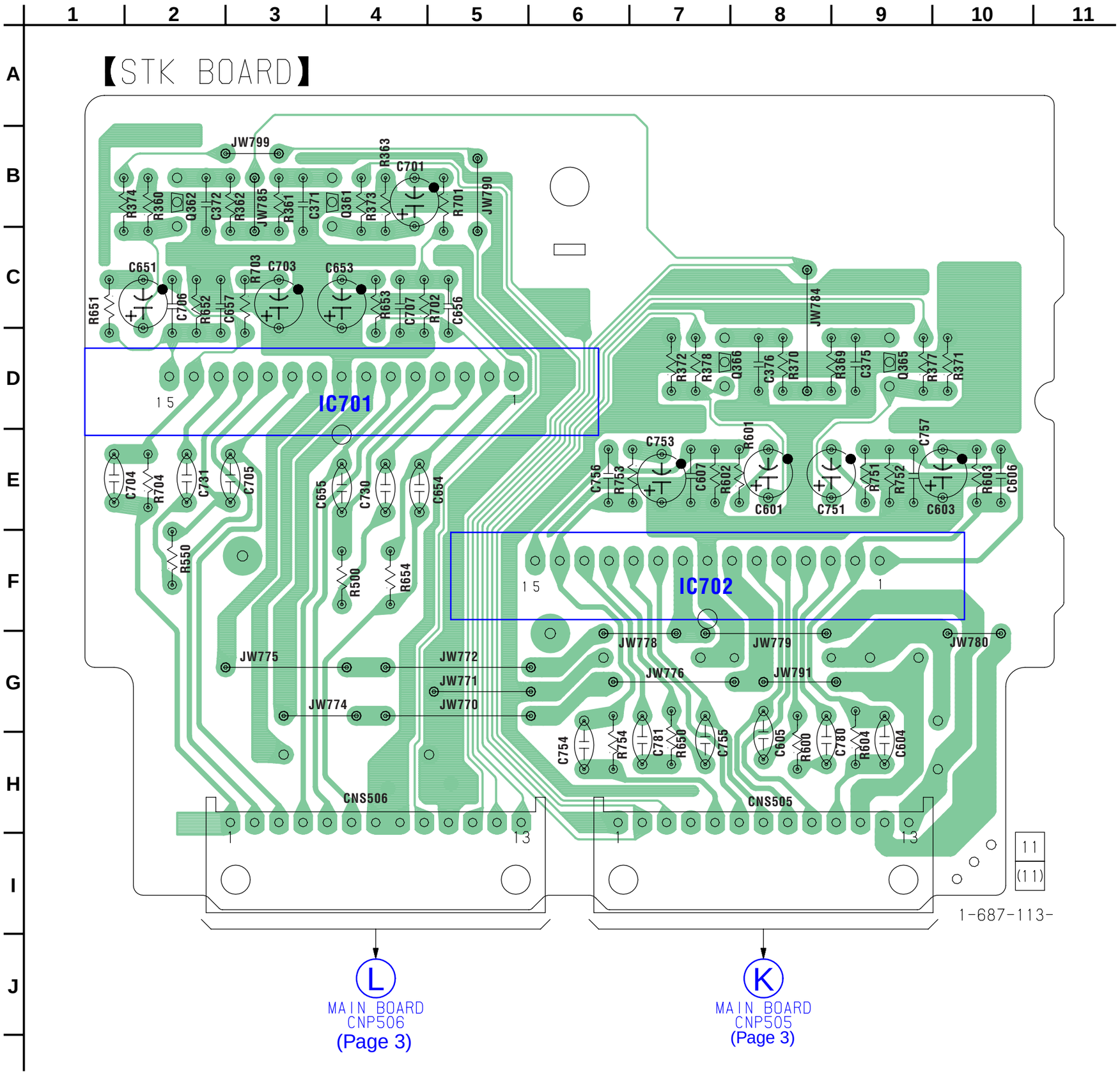
3. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 2 for Common Note on Schematic Diagram.



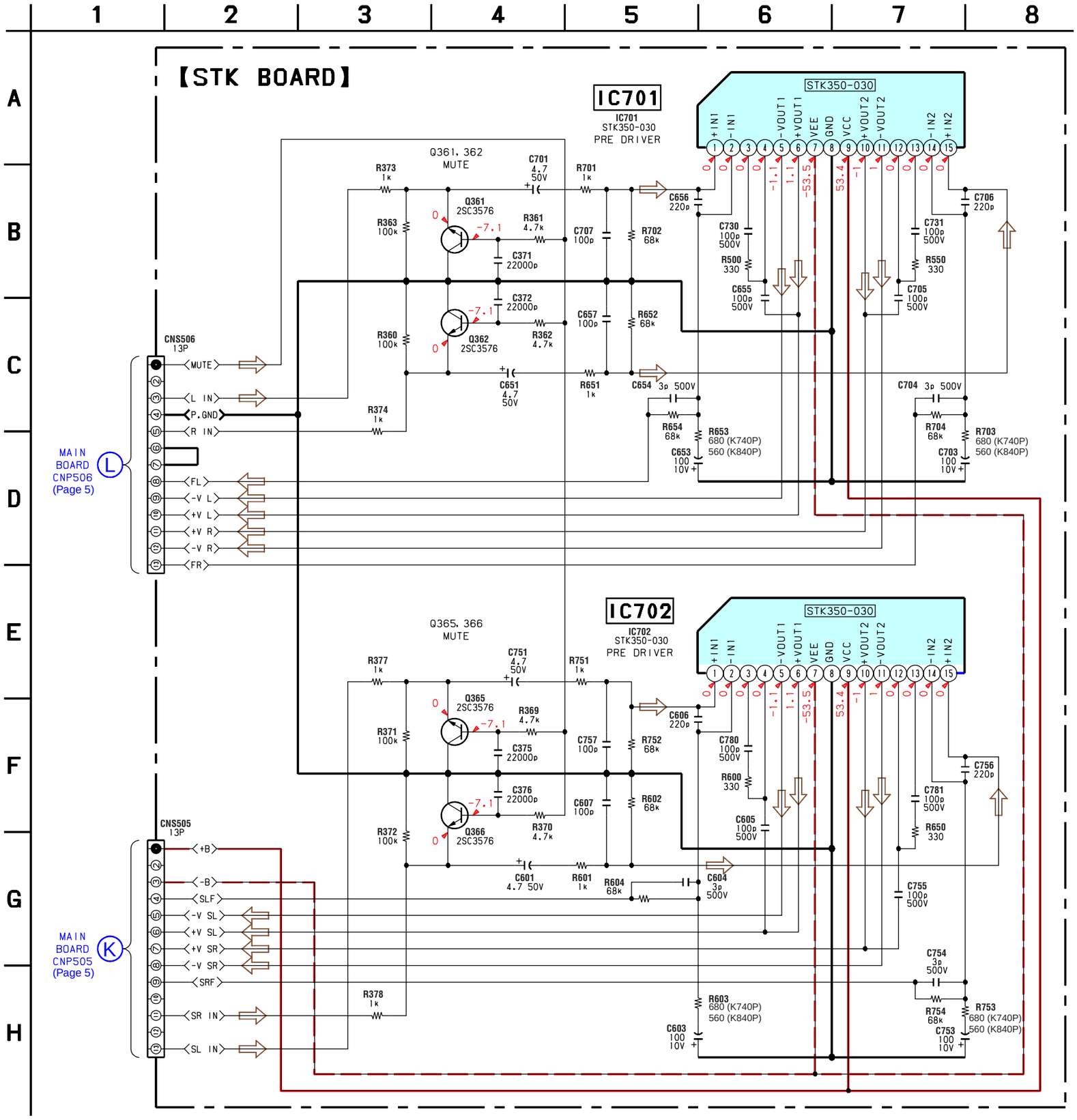
4. PRINTED WIRING BOARD — STK SECTION — • Refer to page 2 for Common Note on Printed Wiring Boards.

• **Semiconductor Location**

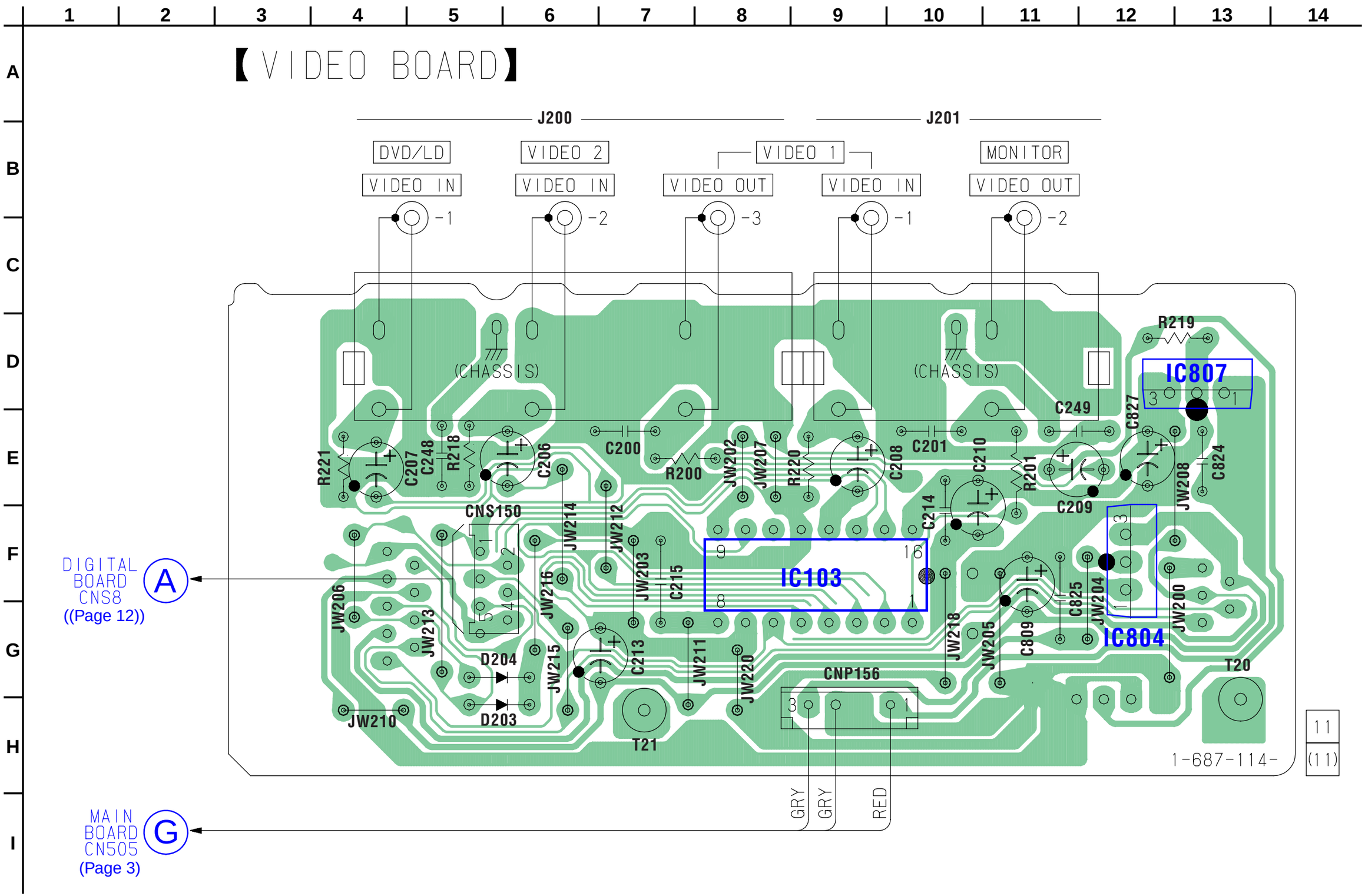
Ref. No.	Location
IC701	D-4
IC702	F-7
Q361	B-4
Q362	B-2
Q365	D-9
Q366	D-8



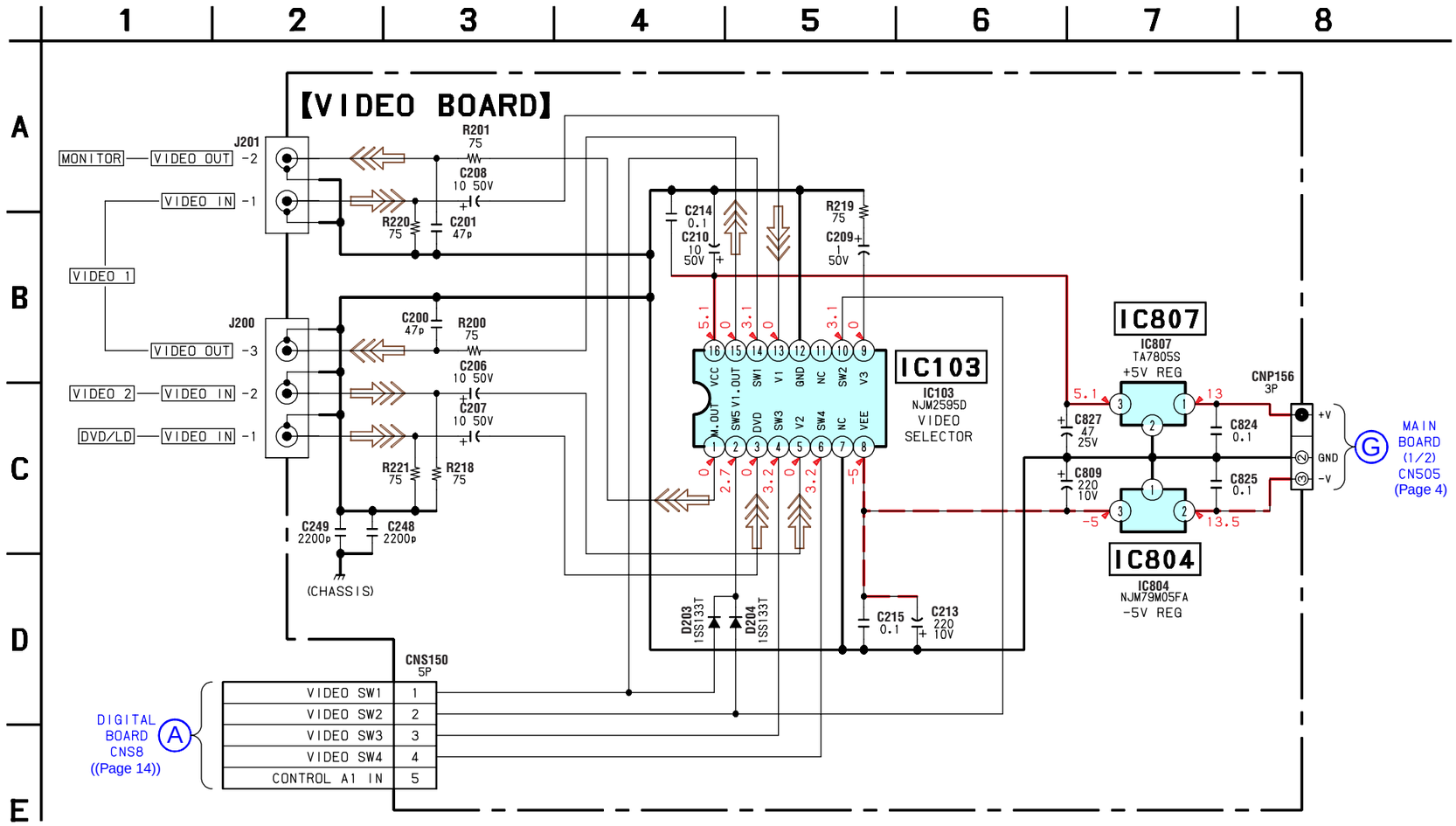
5. SCHEMATIC DIAGRAM — STK SECTION — • Refer to page 2 for Common Note on Schematic Diagram.



6. PRINTED WIRING BOARD — VIDEO SECTION — • Refer to page 2 for Common Note on Printed Wiring Boards.



7. SCHEMATIC DIAGRAM — VIDEO SECTION — • Refer to page 2 for Common Note on Schematic Diagram.



8. ELECTRICAL PARTS LIST

MAIN

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : µ, for example:
  uA.. : µA.. uPA.. : µPA..
  uPB.. : µPB.. uPC.. : µPC.. uPD.. : µPD..
- CAPACITORS
  uF : µF
- COILS
  uH : µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description			Remark
	A-4731-785-A	MAIN BOARD, COMPLETE (K740P)			
	A-4731-787-A	MAIN BOARD, COMPLETE (K840P)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C373	1-127-880-11	CERAMIC	0.022uF	10%	50V
C374	1-164-159-11	CERAMIC	0.1uF		50V
C402	1-126-964-11	ELECT	10uF	20%	50V
C404	1-126-964-11	ELECT	10uF	20%	50V
C405	1-126-964-11	ELECT	10uF	20%	50V
C406	1-126-964-11	ELECT	10uF	20%	50V
C407	1-126-964-11	ELECT	10uF	20%	50V
C408	1-126-964-11	ELECT	10uF	20%	50V
C409	1-126-964-11	ELECT	10uF	20%	50V
C411	1-126-961-11	ELECT	2.2uF	20%	50V (K840P)
C412	1-126-961-11	ELECT	2.2uF	20%	50V (K840P)
C413	1-126-964-11	ELECT	10uF	20%	50V
C414	1-126-964-11	ELECT	10uF	20%	50V
C415	1-124-261-00	ELECT	10uF	20%	50V
C416	1-126-964-11	ELECT	10uF	20%	50V
C417	1-124-261-00	ELECT	10uF	20%	50V
C418	1-126-964-11	ELECT	10uF	20%	50V
C419	1-126-964-11	ELECT	10uF	20%	50V
C431	1-126-961-11	ELECT	2.2uF	20%	50V (K840P)
C432	1-126-961-11	ELECT	2.2uF	20%	50V (K840P)
C433	1-126-964-11	ELECT	10uF	20%	50V
C452	1-126-964-11	ELECT	10uF	20%	50V
C454	1-126-964-11	ELECT	10uF	20%	50V
C455	1-126-964-11	ELECT	10uF	20%	50V
C456	1-126-964-11	ELECT	10uF	20%	50V
C457	1-126-964-11	ELECT	10uF	20%	50V
C458	1-126-964-11	ELECT	10uF	20%	50V
C459	1-126-964-11	ELECT	10uF	20%	50V
C461	1-126-961-11	ELECT	2.2uF	20%	50V (K840P)
C462	1-126-961-11	ELECT	2.2uF	20%	50V (K840P)
C464	1-164-159-11	CERAMIC	0.1uF		50V
C465	1-126-934-11	ELECT	220uF	20%	10V
C466	1-126-964-11	ELECT	10uF	20%	50V
C467	1-164-159-11	CERAMIC	0.1uF		50V
C471	1-126-963-11	ELECT	4.7uF	20%	50V
C472	1-126-963-11	ELECT	4.7uF	20%	50V
C481	1-126-964-11	ELECT	10uF	20%	50V
C482	1-126-964-11	ELECT	10uF	20%	50V
C483	1-126-964-11	ELECT	10uF	20%	50V
C484	1-126-964-11	ELECT	10uF	20%	50V
C485	1-126-964-11	ELECT	10uF	20%	50V
C486	1-126-964-11	ELECT	10uF	20%	50V
C487	1-126-964-11	ELECT	10uF	20%	50V
C488	1-164-159-11	CERAMIC	0.1uF		50V
C489	1-128-809-11	CERAMIC	100PF	5%	50V
C490	1-128-809-11	CERAMIC	100PF	5%	50V
C491	1-126-964-11	ELECT	10uF	20%	50V
C492	1-126-964-11	ELECT	10uF	20%	50V
C493	1-126-964-11	ELECT	10uF	20%	50V
C494	1-126-964-11	ELECT	10uF	20%	50V
C495	1-126-964-11	ELECT	10uF	20%	50V
C496	1-126-963-11	ELECT	4.7uF	20%	50V
C497	1-128-809-11	CERAMIC	100PF	5%	50V
C498	1-128-803-11	CERAMIC	33PF	5%	50V
C501	1-126-963-11	ELECT	4.7uF	20%	50V
C503	1-104-665-11	ELECT	100uF	20%	10V
C504	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C505	1-101-810-00	CERAMIC	100PF	5%	500V
C506	1-101-810-00	CERAMIC	100PF	5%	500V
C507	1-128-809-11	CERAMIC	100PF	5%	50V
C510	1-126-947-11	ELECT	47uF	20%	25V
C511	1-136-157-00	FILM	0.022uF	5%	50V
C516	1-162-815-11	CERAMIC	47PF	5%	500V
C517	1-162-815-11	CERAMIC	47PF	5%	500V
C519	1-128-813-11	CERAMIC	220PF	5%	50V
C540	1-126-964-11	ELECT	10uF	20%	50V
C541	1-127-876-11	CERAMIC	0.01uF	10%	50V
C610	1-126-947-11	ELECT	47uF	20%	25V
C611	1-136-157-00	FILM	0.022uF	5%	50V
C619	1-128-813-11	CERAMIC	220PF	5%	50V
C620	1-162-815-11	CERAMIC	47PF	5%	500V
C621	1-162-815-11	CERAMIC	47PF	5%	500V
C640	1-126-964-11	ELECT	10uF	20%	50V
C642	1-127-876-11	CERAMIC	0.01uF	10%	50V
C660	1-126-947-11	ELECT	47uF	20%	25V
C661	1-136-157-00	FILM	0.022uF	5%	50V
C666	1-162-815-11	CERAMIC	47PF	5%	500V
C669	1-162-815-11	CERAMIC	47PF	5%	500V
C670	1-128-813-11	CERAMIC	220PF	5%	50V
C680	1-126-964-11	ELECT	10uF	20%	50V
C681	1-127-876-11	CERAMIC	0.01uF	10%	50V
C691	1-164-159-11	CERAMIC	0.1uF		50V
C710	1-126-947-11	ELECT	47uF	20%	25V
C711	1-136-157-00	FILM	0.022uF	5%	50V
C716	1-162-815-11	CERAMIC	47PF	5%	500V
C717	1-162-815-11	CERAMIC	47PF	5%	500V
C720	1-128-813-11	CERAMIC	220PF	5%	50V

MAIN

Ref. No.	Part No.	Description			Remark
C721	1-126-934-11	ELECT	220uF	20%	10V
C722	1-126-964-11	ELECT	10uF	20%	50V
C732	1-128-582-11	ELECT	10uF	20%	100V
C733	1-128-582-11	ELECT	10uF	20%	100V
C740	1-126-964-11	ELECT	10uF	20%	50V
C742	1-127-876-11	CERAMIC	0.01uF	10%	50V
C750	1-126-964-11	ELECT	10uF	20%	50V
C752	1-127-876-11	CERAMIC	0.01uF	10%	50V
C760	1-126-947-11	ELECT	47uF	20%	25V
C761	1-136-157-00	FILM	0.022uF	5%	50V
C766	1-162-815-11	CERAMIC	47PF	5%	500V
C767	1-162-815-11	CERAMIC	47PF	5%	500V
C770	1-128-813-11	CERAMIC	220PF	5%	50V
C801	1-126-947-11	ELECT	47uF	20%	35V
C802	1-126-947-11	ELECT	47uF	20%	35V
C803	1-165-498-11	ELECT	4700uF	20%	63V (K740P)
C803	1-165-946-11	ELECT	6800uF	20%	71V (K840P)
C804	1-165-498-11	ELECT	4700uF	20%	63V (K740P)
C804	1-165-946-11	ELECT	6800uF	20%	71V (K840P)
C805	1-135-851-21	MYLAR	0.22uF		100V
C806	1-135-851-21	MYLAR	0.22uF		100V
C807	1-104-665-11	ELECT	100uF	20%	10V
C808	1-126-935-11	ELECT	470uF	20%	10V
C810	1-164-159-11	CERAMIC	0.1uF		50V
C811	1-164-159-11	CERAMIC	0.1uF		50V
C822	1-126-947-11	ELECT	47uF	20%	35V
C830	1-164-159-11	CERAMIC	0.1uF		50V
C901	1-164-159-11	CERAMIC	0.1uF		50V
C903	1-126-936-11	ELECT	3300uF	20%	16V
		< CONNECTOR >			
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P			
CNP502	1-784-038-21	CONNECTOR, BOARD TO BOARD 9P			
CNP505	1-778-981-21	CONNECTOR, BOARD TO BOARD 13P			
CNP506	1-778-981-21	CONNECTOR, BOARD TO BOARD 13P			
* CNP801	1-564-104-00	PIN, CONNECTOR (3.96mm PITCH) 3P			
CNP802	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
CNP911	1-784-928-11	PIN, CONNECTOR 13P			
CNP915	1-766-200-11	SOCKET, CONNECTOR PIN 5P			
		< DIODE >			
D505	8-719-991-33	DIODE 1SS133T-77			
D510	8-719-991-33	DIODE 1SS133T-77			
D540	8-719-991-33	DIODE 1SS133T-77			
D560	8-719-991-33	DIODE 1SS133T-77			
D605	8-719-991-33	DIODE 1SS133T-77			
D610	8-719-991-33	DIODE 1SS133T-77			
D640	8-719-991-33	DIODE 1SS133T-77			
D665	8-719-991-33	DIODE 1SS133T-77			
D680	8-719-991-33	DIODE 1SS133T-77			
D690	8-719-934-21	DIODE HZS30-1L			
D691	8-719-991-33	DIODE 1SS133T-77			
D705	8-719-991-33	DIODE 1SS133T-77			
D710	8-719-991-33	DIODE 1SS133T-77			
D721	8-719-991-33	DIODE 1SS133T-77			
D722	8-719-991-33	DIODE 1SS133T-77			

Ref. No.	Part No.	Description	Remark
D731	8-719-991-33	DIODE 1SS133T-77	
D732	8-719-991-33	DIODE 1SS133T-77	
D733	8-719-991-33	DIODE 1SS133T-77	
D734	8-719-991-33	DIODE 1SS133T-77	
D740	8-719-991-33	DIODE 1SS133T-77	
D750	8-719-991-33	DIODE 1SS133T-77	
D765	8-719-991-33	DIODE 1SS133T-77	
D791	8-719-991-33	DIODE 1SS133T-77	
D801	8-719-934-21	DIODE HZS30-1L	
D802	8-719-072-05	DIODE RBV-602LF-A	
D804	8-719-118-63	DIODE RD5.6F-T7B2	
D896	8-719-043-76	DIODE AK04V0	
D902	8-719-024-99	DIODE 11ES2-NTA2B	
D903	8-719-024-99	DIODE 11ES2-NTA2B	
D904	8-719-024-99	DIODE 11ES2-NTA2B	
D905	8-719-024-99	DIODE 11ES2-NTA2B	
		< IC >	
IC201	6-701-567-01	IC M61511FP-R61G	
IC401	8-759-636-74	IC M5218AP-22	
IC501	8-749-011-16	IC STK350-230	
IC601	8-759-636-74	IC M5218AP-22	
IC801	8-759-649-68	IC uPC78M07AHF	
IC802	8-759-604-95	IC M5F79M07L	
		< JACK >	
J401	1-793-775-12	JACK, PIN 6P (MULTI CH IN FRONT/ SURROUND/CENTER/SUB WOOFER)	(K840P)
J402	1-794-981-11	JACK, PIN 4P (CD IN,MD/TAPE OUT)	
J403	1-794-981-11	JACK, PIN 4P (MD/TAPE IN, DVD/LD AUDIO IN)	
J404	1-774-411-11	JACK, PIN 6P (VIDEO 2 AUDIO IN, VIDEO 1 AUDIO OUT/AUDIO IN)	
J405	1-770-377-21	JACK, PIN 1P (SUB WOOFER AUDIO OUT)	
		< COIL >	
L521	1-420-872-52	COIL, AIR-CORE	
L601	1-420-872-52	COIL, AIR-CORE	
L651	1-420-872-52	COIL, AIR-CORE	
L701	1-420-872-52	COIL, AIR-CORE	
L751	1-420-872-52	COIL, AIR-CORE	
		< TRANSISTOR >	
Q363	8-729-823-22	TRANSISTOR 2SC3576	
Q364	8-729-823-22	TRANSISTOR 2SC3576	
Q379	8-729-900-63	TRANSISTOR DTA124ES	
Q471	8-729-823-22	TRANSISTOR 2SC3576	
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q502	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q505	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q506	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q540	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q550	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q560	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q605	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q606	8-729-140-82	TRANSISTOR 2SA988-PAFAEA	
Q610	8-729-119-79	TRANSISTOR 2SC2785-FEK	
Q640	8-729-281-53	TRANSISTOR 2SC1815-GR	

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Ref. No.	Part No.	Description			Remark
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q655	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q656	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q680	8-729-281-53	TRANSISTOR 2SC1815-GR			
Q691	8-729-281-53	TRANSISTOR 2SC1815-GR			
Q692	8-729-900-63	TRANSISTOR DTA124ES			
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q705	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q706	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q710	8-729-119-79	TRANSISTOR 2SC2785-FEK			
Q722	8-729-140-84	TRANSISTOR 2SC1841-PAFAEA			
Q723	8-729-119-79	TRANSISTOR 2SC2785-FEK			
Q725	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q740	8-729-281-53	TRANSISTOR 2SC1815-GR			
Q750	8-729-281-53	TRANSISTOR 2SC1815-GR			
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE			
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK			
Q755	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q756	8-729-140-82	TRANSISTOR 2SA988-PAFAEA			
Q790	8-729-119-79	TRANSISTOR 2SC2785-FEK			
Q801	8-729-140-97	TRANSISTOR 2SB734-34			
		< RESISTOR >			
R366	1-249-429-11	CARBON	10K	5%	1/4W
R367	1-249-441-11	CARBON	100K	5%	1/4W
R368	1-249-437-11	CARBON	47K	5%	1/4W
R375	1-249-417-11	CARBON	1K	5%	1/4W
R376	1-249-417-11	CARBON	1K	5%	1/4W
R379	1-249-425-11	CARBON	4.7K	5%	1/4W
R380	1-249-441-11	CARBON	100K	5%	1/4W
R381	1-249-429-11	CARBON	10K	5%	1/4W
R400	1-249-429-11	CARBON	10K	5%	1/4W
R402	1-249-417-11	CARBON	1K	5%	1/4W
R404	1-249-417-11	CARBON	1K	5%	1/4W
R405	1-249-417-11	CARBON	1K	5%	1/4W
R406	1-249-417-11	CARBON	1K	5%	1/4W
R407	1-249-417-11	CARBON	1K	5%	1/4W
R408	1-249-417-11	CARBON	1K	5%	1/4W
R409	1-249-417-11	CARBON	1K	5%	1/4W
R411	1-249-417-11	CARBON	1K	5%	1/4W (K840P)
R412	1-249-417-11	CARBON	1K	5%	1/4W (K840P)
R413	1-249-437-11	CARBON	47K	5%	1/4W
R414	1-249-437-11	CARBON	47K	5%	1/4W
R415	1-249-437-11	CARBON	47K	5%	1/4W
R416	1-249-437-11	CARBON	47K	5%	1/4W
R417	1-249-437-11	CARBON	47K	5%	1/4W
R418	1-249-437-11	CARBON	47K	5%	1/4W
R419	1-249-437-11	CARBON	47K	5%	1/4W
R420	1-249-437-11	CARBON	47K	5%	1/4W
R422	1-249-437-11	CARBON	47K	5%	1/4W
R424	1-249-437-11	CARBON	47K	5%	1/4W
R425	1-249-437-11	CARBON	47K	5%	1/4W
R426	1-249-437-11	CARBON	47K	5%	1/4W
R427	1-249-437-11	CARBON	47K	5%	1/4W
R431	1-249-417-11	CARBON	1K	5%	1/4W (K840P)
R432	1-249-417-11	CARBON	1K	5%	1/4W (K840P)
R435	1-249-437-11	CARBON	47K	5%	1/4W
R436	1-249-437-11	CARBON	47K	5%	1/4W
R442	1-249-437-11	CARBON	47K	5%	1/4W
R444	1-249-437-11	CARBON	47K	5%	1/4W
R445	1-249-437-11	CARBON	47K	5%	1/4W
R446	1-249-437-11	CARBON	47K	5%	1/4W
R447	1-249-437-11	CARBON	47K	5%	1/4W
R452	1-249-417-11	CARBON	1K	5%	1/4W
R454	1-249-417-11	CARBON	1K	5%	1/4W
R455	1-249-417-11	CARBON	1K	5%	1/4W
R456	1-249-417-11	CARBON	1K	5%	1/4W
R457	1-249-417-11	CARBON	1K	5%	1/4W
R458	1-249-417-11	CARBON	1K	5%	1/4W
R459	1-249-417-11	CARBON	1K	5%	1/4W
R461	1-249-417-11	CARBON	1K	5%	1/4W (K840P)
R462	1-249-417-11	CARBON	1K	5%	1/4W (K840P)
R463	1-249-437-11	CARBON	47K	5%	1/4W
R464	1-249-437-11	CARBON	47K	5%	1/4W
R469	1-249-417-11	CARBON	1K	5%	1/4W
R470	1-249-437-11	CARBON	47K	5%	1/4W
R471	1-249-417-11	CARBON	1K	5%	1/4W
R472	1-249-417-11	CARBON	1K	5%	1/4W
R473	1-249-421-11	CARBON	2.2K	5%	1/4W
R474	1-249-432-11	CARBON	18K	5%	1/4W
R475	1-249-421-11	CARBON	2.2K	5%	1/4W
R499	1-249-437-11	CARBON	47K	5%	1/4W
R501	1-249-417-11	CARBON	1K	5%	1/4W
R502	1-249-439-11	CARBON	68K	5%	1/4W
R503	1-249-414-11	CARBON	560	5%	1/4W (K840P)
R503	1-249-415-11	CARBON	680	5%	1/4W (K740P)
R504	1-249-411-11	CARBON	330	5%	1/4W
R505	1-249-439-11	CARBON	68K	5%	1/4W
R510	1-249-421-11	CARBON	2.2K	5%	1/4W
R511	1-249-440-11	CARBON	82K	5%	1/4W
R513	1-249-414-11	CARBON	560	5%	1/4W
R514	1-249-405-11	CARBON	100	5%	1/4W
R515	1-249-405-11	CARBON	100	5%	1/4W
R516	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2		5%	1W
R517	1-249-393-11	CARBON	10	5%	1/4W
R520	1-249-425-11	CARBON	4.7K	5%	1/4W
R521	1-247-850-11	CARBON	6.2K	5%	1/4W
R522	1-249-419-11	CARBON	1.5K	5%	1/4W
R524	1-249-431-11	CARBON	15K	5%	1/4W
R525	1-249-439-11	CARBON	68K	5%	1/4W
R528	1-249-389-11	CARBON	4.7	5%	1/4W
R531	1-249-425-11	CARBON	4.7K	5%	1/4W
R532	1-249-425-11	CARBON	4.7K	5%	1/4W
R533	1-249-437-11	CARBON	47K	5%	1/4W
R534	1-249-389-11	CARBON	4.7	5%	1/4W
R540	1-249-433-11	CARBON	22K	5%	1/4W
R546	1-247-843-11	CARBON	3.3K	5%	1/4W

MAIN

Ref. No.	Part No.	Description			Remark
R555	1-249-433-11	CARBON	22K	5%	1/4W
R556	1-249-433-11	CARBON	22K	5%	1/4W
R557	1-249-431-11	CARBON	15K	5%	1/4W
R560	1-249-429-11	CARBON	10K	5%	1/4W
R573	1-249-437-11	CARBON	47K	5%	1/4W
R610	1-249-421-11	CARBON	2.2K	5%	1/4W
R611	1-249-440-11	CARBON	82K	5%	1/4W
R613	1-249-414-11	CARBON	560	5%	1/4W
R614	1-249-405-11	CARBON	100	5%	1/4W
R615	1-249-405-11	CARBON	100	5%	1/4W
R616	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2			5W
R617	1-249-393-11	CARBON	10	5%	1/4W
R618	1-249-389-11	CARBON	4.7	5%	1/4W
R620	1-249-425-11	CARBON	4.7K	5%	1/4W
R621	1-247-850-11	CARBON	6.2K	5%	1/4W
R622	1-249-419-11	CARBON	1.5K	5%	1/4W
R623	1-249-437-11	CARBON	47K	5%	1/4W
R624	1-249-431-11	CARBON	15K	5%	1/4W
R625	1-249-439-11	CARBON	68K	5%	1/4W
R631	1-249-425-11	CARBON	4.7K	5%	1/4W
R634	1-249-389-11	CARBON	4.7	5%	1/4W
R638	1-249-439-11	CARBON	68K	5%	1/4W
R640	1-249-433-11	CARBON	22K	5%	1/4W
R648	1-247-843-11	CARBON	3.3K	5%	1/4W
R655	1-249-433-11	CARBON	22K	5%	1/4W
R656	1-249-433-11	CARBON	22K	5%	1/4W
R657	1-249-431-11	CARBON	15K	5%	1/4W
R660	1-249-421-11	CARBON	2.2K	5%	1/4W
R661	1-249-440-11	CARBON	82K	5%	1/4W
R663	1-249-414-11	CARBON	560	5%	1/4W
R664	1-249-405-11	CARBON	100	5%	1/4W
R665	1-249-405-11	CARBON	100	5%	1/4W
R666	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2			5W
R667	1-249-393-11	CARBON	10	5%	1/4W
R668	1-249-389-11	CARBON	4.7	5%	1/4W
R669	1-249-425-11	CARBON	4.7K	5%	1/4W
R671	1-247-850-11	CARBON	6.2K	5%	1/4W
R672	1-249-419-11	CARBON	1.5K	5%	1/4W
R673	1-249-437-11	CARBON	47K	5%	1/4W
R674	1-249-431-11	CARBON	15K	5%	1/4W
R675	1-249-433-11	CARBON	22K	5%	1/4W
R676	1-249-433-11	CARBON	22K	5%	1/4W
R677	1-249-431-11	CARBON	15K	5%	1/4W
R680	1-249-433-11	CARBON	22K	5%	1/4W
R681	1-247-843-11	CARBON	3.3K	5%	1/4W
R690	1-247-887-00	CARBON	220K	5%	1/4W
R691	1-216-453-00	METAL OXIDE	270	5%	2W F
R692	1-215-890-11	METAL OXIDE	470	5%	2W F
R693	1-249-429-11	CARBON	10K	5%	1/4W
R694	1-249-429-11	CARBON	10K	5%	1/4W
R695	1-249-429-11	CARBON	10K	5%	1/4W
R696	1-249-436-11	CARBON	39K	5%	1/4W
R698	1-249-429-11	CARBON	10K	5%	1/4W
R699	1-247-895-00	CARBON	470K	5%	1/4W
R710	1-249-421-11	CARBON	2.2K	5%	1/4W
R711	1-249-440-11	CARBON	82K	5%	1/4W
R713	1-249-414-11	CARBON	560	5%	1/4W

Ref. No.	Part No.	Description			Remark
R714	1-249-405-11	CARBON	100	5%	1/4W
R715	1-249-405-11	CARBON	100	5%	1/4W
R716	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2			5W
R717	1-249-393-11	CARBON	10	5%	1/4W
R718	1-249-389-11	CARBON	4.7	5%	1/4W
R719	1-249-425-11	CARBON	4.7K	5%	1/4W
R721	1-247-850-11	CARBON	6.2K	5%	1/4W
R722	1-249-419-11	CARBON	1.5K	5%	1/4W
R723	1-249-437-11	CARBON	47K	5%	1/4W
R724	1-249-431-11	CARBON	15K	5%	1/4W
R725	1-249-439-11	CARBON	68K	5%	1/4W
R731	1-249-425-11	CARBON	4.7K	5%	1/4W
R732	1-249-381-11	CARBON	1	5%	1/4W
R733	1-249-381-11	CARBON	1	5%	1/4W
R734	1-249-389-11	CARBON	4.7	5%	1/4W
R735	1-249-427-11	CARBON	6.8K	5%	1/4W
R736	1-249-417-11	CARBON	1K	5%	1/4W
R737	1-249-436-11	CARBON	39K	5%	1/4W
R740	1-249-433-11	CARBON	22K	5%	1/4W
R745	1-249-433-11	CARBON	22K	5%	1/4W
R746	1-249-433-11	CARBON	22K	5%	1/4W
R747	1-249-431-11	CARBON	15K	5%	1/4W
R748	1-247-843-11	CARBON	3.3K	5%	1/4W
R750	1-249-433-11	CARBON	22K	5%	1/4W
R755	1-249-433-11	CARBON	22K	5%	1/4W
R756	1-249-433-11	CARBON	22K	5%	1/4W
R757	1-249-431-11	CARBON	15K	5%	1/4W
R758	1-247-843-11	CARBON	3.3K	5%	1/4W
R760	1-249-421-11	CARBON	2.2K	5%	1/4W
R761	1-249-440-11	CARBON	82K	5%	1/4W
R763	1-249-414-11	CARBON	560	5%	1/4W
R764	1-249-405-11	CARBON	100	5%	1/4W
R765	1-249-405-11	CARBON	100	5%	1/4W
R766	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2			5W
R767	1-249-393-11	CARBON	10	5%	1/4W
R768	1-249-389-11	CARBON	4.7	5%	1/4W
R769	1-249-425-11	CARBON	4.7K	5%	1/4W
R770	1-249-437-11	CARBON	47K	5%	1/4W
R771	1-247-850-11	CARBON	6.2K	5%	1/4W
R772	1-249-419-11	CARBON	1.5K	5%	1/4W
R773	1-249-437-11	CARBON	47K	5%	1/4W
R775	1-249-439-11	CARBON	68K	5%	1/4W
R778	1-249-431-11	CARBON	15K	5%	1/4W
R780	1-249-429-11	CARBON	10K	5%	1/4W
R791	1-249-425-11	CARBON	4.7K	5%	1/4W
R792	1-215-868-00	METAL OXIDE	680	5%	1W F
R793	1-249-389-11	CARBON	4.7	5%	1/4W
R794	1-215-868-00	METAL OXIDE	680	5%	1W F
R802	1-249-381-11	CARBON	1	5%	1/4W
R803	1-249-389-11	CARBON	4.7	5%	1/4W
R804	1-249-426-11	CARBON	5.6K	5%	1/4W
R806	1-249-433-11	CARBON	22K	5%	1/4W
⚠R910	1-243-635-11	FUSIBLE	0.33	5%	1/2W F

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
		< RELAY >			
RY501	1-755-421-11	RELAY			
RY560	1-755-267-11	RELAY			
RY601	1-755-421-11	RELAY			
RY701	1-755-421-11	RELAY			
RY791	1-755-421-11	RELAY			
		< TERMINAL BOARD >			
TM601	1-694-805-11	TERMINAL BOARD (SPEAKERS SURROUND/CENTER)			
TM602	1-694-785-11	TERMINAL BOARD (SPEAKERS FRONT)			
**********					
	A-4731-815-A	STK BOARD, COMPLETE (K740P)			
	A-4731-816-A	STK BOARD, COMPLETE (K840P)			
		**********			
		< CAPACITOR >			
C371	1-161-494-00	CERAMIC	0.022uF		25V
C372	1-161-494-00	CERAMIC	0.022uF		25V
C375	1-161-494-00	CERAMIC	0.022uF		25V
C376	1-161-494-00	CERAMIC	0.022uF		25V
C601	1-126-963-11	ELECT	4.7uF	20%	50V
C603	1-104-665-11	ELECT	100uF	20%	10V
C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C605	1-101-810-00	CERAMIC	100PF	5%	500V
C606	1-128-813-11	CERAMIC	220PF	5%	50V
C607	1-128-809-11	CERAMIC	100PF	5%	50V
C651	1-126-963-11	ELECT	4.7uF	20%	50V
C653	1-104-665-11	ELECT	100uF	20%	10V
C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C655	1-101-810-00	CERAMIC	100PF	5%	500V
C656	1-128-813-11	CERAMIC	220PF	5%	50V
C657	1-128-809-11	CERAMIC	100PF	5%	50V
C701	1-126-963-11	ELECT	4.7uF	20%	50V
C703	1-104-665-11	ELECT	100uF	20%	10V
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C705	1-101-810-00	CERAMIC	100PF	5%	500V
C706	1-128-813-11	CERAMIC	220PF	5%	50V
C707	1-128-809-11	CERAMIC	100PF	5%	50V
C730	1-101-810-00	CERAMIC	100PF	5%	500V
C731	1-101-810-00	CERAMIC	100PF	5%	500V
C751	1-126-963-11	ELECT	4.7uF	20%	50V
C753	1-104-665-11	ELECT	100uF	20%	10V
C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C755	1-101-810-00	CERAMIC	100PF	5%	500V
C756	1-128-813-11	CERAMIC	220PF	5%	50V
C757	1-128-809-11	CERAMIC	100PF	5%	50V
C780	1-101-810-00	CERAMIC	100PF	5%	500V
C781	1-101-810-00	CERAMIC	100PF	5%	500V
		< CONNECTOR >			
CNS505	1-778-982-11	CONNECTOR, BOARD TO BOARD 13P			
CNS506	1-778-982-11	CONNECTOR, BOARD TO BOARD 13P			
		< IC >			
IC701	8-749-010-79	IC STK350-030			
IC702	8-749-010-79	IC STK350-030			

Ref. No.	Part No.	Description			Remark
		< TRANSISTOR >			
Q361	8-729-823-22	TRANSISTOR 2SC3576			
Q362	8-729-823-22	TRANSISTOR 2SC3576			
Q365	8-729-823-22	TRANSISTOR 2SC3576			
Q366	8-729-823-22	TRANSISTOR 2SC3576			
		< RESISTOR >			
R360	1-249-441-11	CARBON	100K	5%	1/4W
R361	1-249-425-11	CARBON	4.7K	5%	1/4W
R362	1-249-425-11	CARBON	4.7K	5%	1/4W
R363	1-249-441-11	CARBON	100K	5%	1/4W
R369	1-249-425-11	CARBON	4.7K	5%	1/4W
R370	1-249-425-11	CARBON	4.7K	5%	1/4W
R371	1-249-441-11	CARBON	100K	5%	1/4W
R372	1-249-441-11	CARBON	100K	5%	1/4W
R373	1-249-417-11	CARBON	1K	5%	1/4W
R374	1-249-417-11	CARBON	1K	5%	1/4W
R377	1-249-417-11	CARBON	1K	5%	1/4W
R378	1-249-417-11	CARBON	1K	5%	1/4W
R500	1-249-411-11	CARBON	330	5%	1/4W
R550	1-249-411-11	CARBON	330	5%	1/4W
R600	1-249-411-11	CARBON	330	5%	1/4W
R601	1-249-417-11	CARBON	1K	5%	1/4W
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-249-414-11	CARBON	560	5%	1/4W (K840P)
R603	1-249-415-11	CARBON	680	5%	1/4W (K740P)
R604	1-249-439-11	CARBON	68K	5%	1/4W
R650	1-249-411-11	CARBON	330	5%	1/4W
R651	1-249-417-11	CARBON	1K	5%	1/4W
R652	1-249-439-11	CARBON	68K	5%	1/4W
R653	1-249-414-11	CARBON	560	5%	1/4W (K840P)
R653	1-249-415-11	CARBON	680	5%	1/4W (K740P)
R654	1-249-439-11	CARBON	68K	5%	1/4W
R701	1-249-417-11	CARBON	1K	5%	1/4W
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-249-414-11	CARBON	560	5%	1/4W (K840P)
R703	1-249-415-11	CARBON	680	5%	1/4W (K740P)
R704	1-249-439-11	CARBON	68K	5%	1/4W
R751	1-249-417-11	CARBON	1K	5%	1/4W
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-249-414-11	CARBON	560	5%	1/4W (K840P)
R753	1-249-415-11	CARBON	680	5%	1/4W (K740P)
R754	1-249-439-11	CARBON	68K	5%	1/4W
**********					
	A-4731-782-A	VIDEO BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C200	1-128-805-11	CERAMIC	47PF	5%	50V
C201	1-128-805-11	CERAMIC	47PF	5%	50V

VIDEO

Ref. No.	Part No.	Description			Remark
C206	1-126-964-11	ELECT	10uF	20%	50V
C207	1-126-964-11	ELECT	10uF	20%	50V
C208	1-126-964-11	ELECT	10uF	20%	50V
C209	1-126-960-11	ELECT	1uF	20%	50V
C210	1-126-964-11	ELECT	10uF	20%	50V
C213	1-126-934-11	ELECT	220uF	20%	10V
C214	1-164-159-11	CERAMIC	0.1uF		50V
C215	1-164-159-11	CERAMIC	0.1uF		50V
C248	1-128-825-11	CERAMIC	0.0022uF	5%	50V
C249	1-128-825-11	CERAMIC	0.0022uF	5%	50V
C809	1-126-934-11	ELECT	220uF	20%	10V
C824	1-164-159-11	CERAMIC	0.1uF		50V
C825	1-164-159-11	CERAMIC	0.1uF		50V
C827	1-126-947-11	ELECT	47uF	20%	25V
		< CONNECTOR >			
CNP156	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CNS150	1-569-315-11	SOCKET, CONNECTOR 5P			
		< DIODE >			
D203	8-719-991-33	DIODE 1SS133T-77			
D204	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC103	6-701-890-01	IC NJM2595D			
IC804	8-759-701-65	IC NJM79M05FA			
IC807	8-759-231-53	IC TA7805S			
		< JACK >			
J200	1-794-978-11	JACK, PIN 3P (DVD/LD VIDEO IN, VIDEO 2 VIDEO IN,VIDEO 1 VIDEO OUT)			
J201	1-815-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN, MONITOR VIDEO OUT)			
		< RESISTOR >			
R200	1-247-804-11	CARBON	75	5%	1/4W
R201	1-247-804-11	CARBON	75	5%	1/4W
R218	1-247-804-11	CARBON	75	5%	1/4W
R219	1-247-804-11	CARBON	75	5%	1/4W
R220	1-247-804-11	CARBON	75	5%	1/4W
R221	1-247-804-11	CARBON	75	5%	1/4W

MEMO

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2002. 02	New
1.1	2003. 07	Correction of Ref. No 2 (SPM-03054)
1.2	2003. 09	Change of IC701, IC702 (SPM-03064)

SA-WMSP2/WMSP4

SERVICE MANUAL

Ver 1.0 2002. 02

US Model
Canadian Model
AEP Model
UK Model
E Model

photo: SA-WMSP4 silver model

- SA-WMSP2 is the sub woofer section in HT-DDW740.
- SA-WMSP4 is the sub woofer section in HT-DDW840.

SPECIFICATION

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 6 ohm loads, from 28 – 200 Hz; rated 100 watts (SA-WMSP4) / 50 watts (SA-WMSP2), minimum RMS power, with no more than 0.8% total harmonic distortion from 250 milliwatts to rated output (Models of area code U only).

Speaker system Active subwoofer, magnetically shielded

Speaker unit Woofer: 20 cm cone type

Enclosure type Acoustically loaded bass reflex

Continuous RMS power output (6 ohms, 20 – 250 Hz)
SA-WMSP4 100 W
SA-WMSP2 50 W

Reproduction frequency range
28Hz – 200 Hz

High frequency cut-off frequency
150 Hz

Input LINE IN (input pin jacks)

Power requirements

Area code	Power requirements
U, CA, MX	120 V AC, 60 Hz
CEL, CEK, SP, MY	230 V AC, 50/60 Hz
AR	220 – 230 V AC, 50/60 Hz
E2/E3	120/220/230 V AC, 50/60 Hz

Power consumption
SA-WMSP4 100 W
SA-WMSP2 50 W

Dimensions (w/h/d) Approx. 272 326 405 mm (10 3/4 12 7/8 16 inches) including front panel

Mass
SA-WMSP4 10.0 kg (22 lb 1 oz)
SA-WMSP2 9.0 kg (19 lb 14 oz)

- Abbreviation
  AR : Argentin model
  CA : Canadian model
  CEK : UK model
  CEL : AEP model
  MX : Mexican model
  MY : Malaysia model
  SP : Singapore model
  U : US model

ACTIVE SUBWOOFER

9-873-478-01
2002B1600-1
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Home Audio Company
Published by Sony Engineering Corporation

SONY®

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer: Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

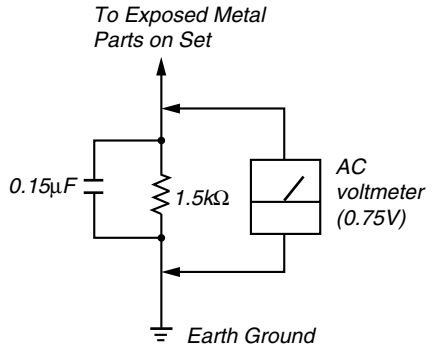


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

SECTION 1
DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

Note on Printed Wiring Boards:

- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ▒▒▒ : Pattern from the side which enables seeing.

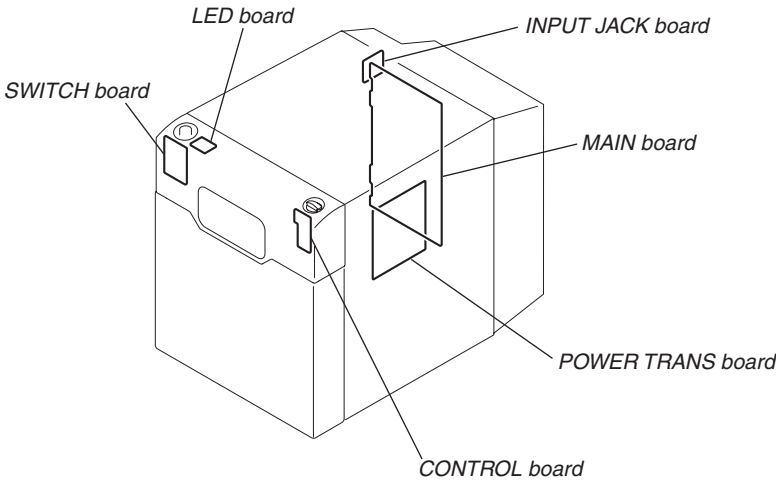
Note on Schematic Diagram:

- All capacitors are in µF unless otherwise noted. p: pF. 50 WV or less are not indicated except for electrolytics and tantalums.
- : nonflammable resistor.
- : fusible resistor.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- : panel designation.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

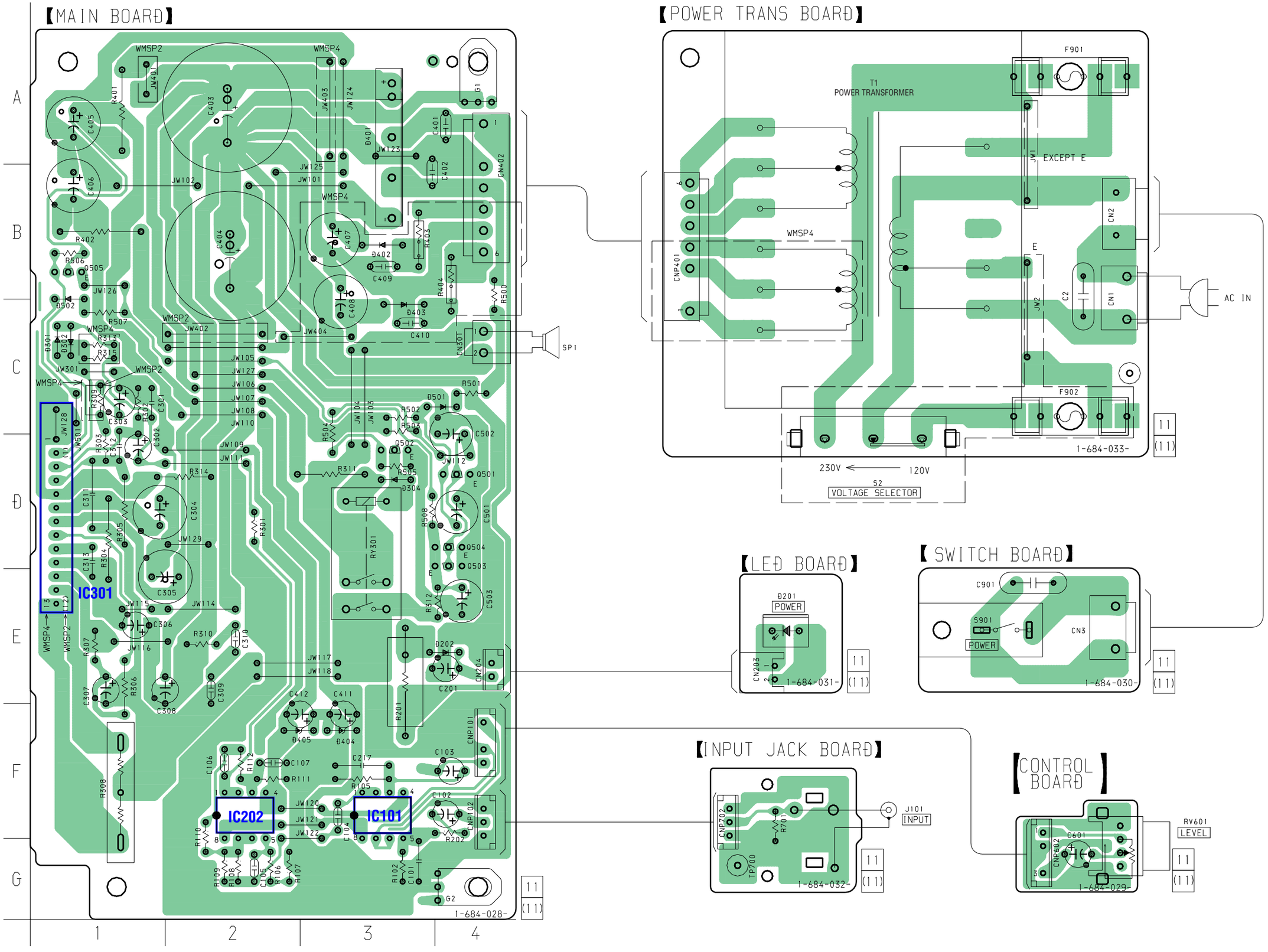
- ▬▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- Voltages are dc with respect to ground under no-signal conditions.
  no mark : Power on
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : AUDIO
- Abbreviation
  AR : Argentin model.
  CND : Canadian model.
  MX : Mexican model.
  MY : Malaysia model.
  SP : Singapore model.

• CIRCUIT BOARD LOCATION



1-1. Printed Wiring Boards

• See page 3 for Circuit Boards Location.

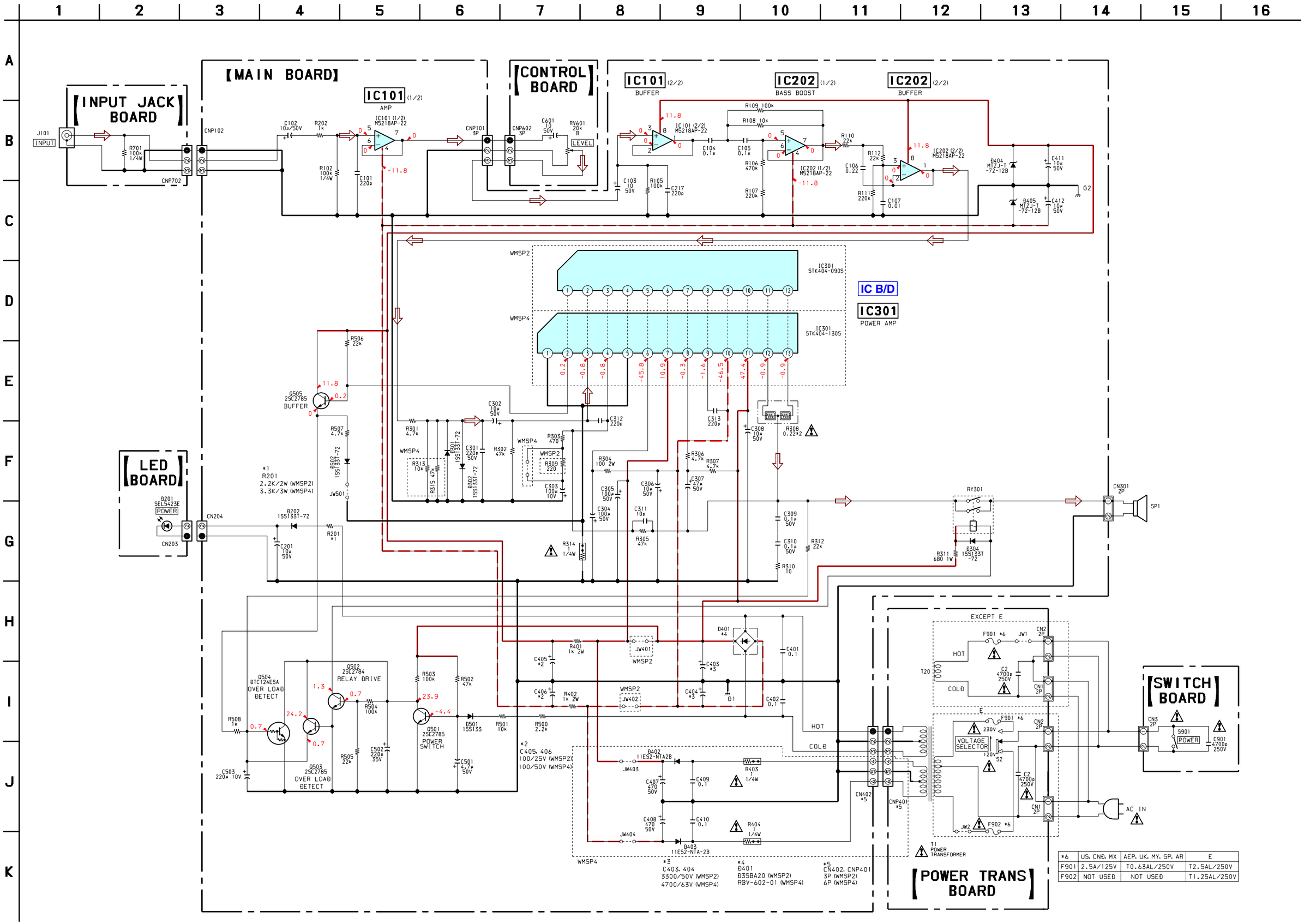


• **Semiconductor Location**

Ref. No.	Location
D202	E-4
D301	C-1
D302	C-1
D304	D-3
D401	A-3
D402	B-3
D403	C-3
D404	F-3
D405	F-2
D501	C-4
D502	B-1
IC101	F-3
IC202	F-2
IC301	D-1
Q501	D-4
Q502	D-3
Q503	D-4
Q504	D-4
Q505	B-1

1-2. Schematic Diagrams

• See page 4 for IC Block Diagrams.



*6	US, CND, MX	AEP, UK, MY, SP, AR	E
F901	2.5A/125V	T0.63AL/250V	T2.5AL/250V
F902	NOT USED	NOT USED	T1.25AL/250V

SECTION 2
EXPLODED VIEWS

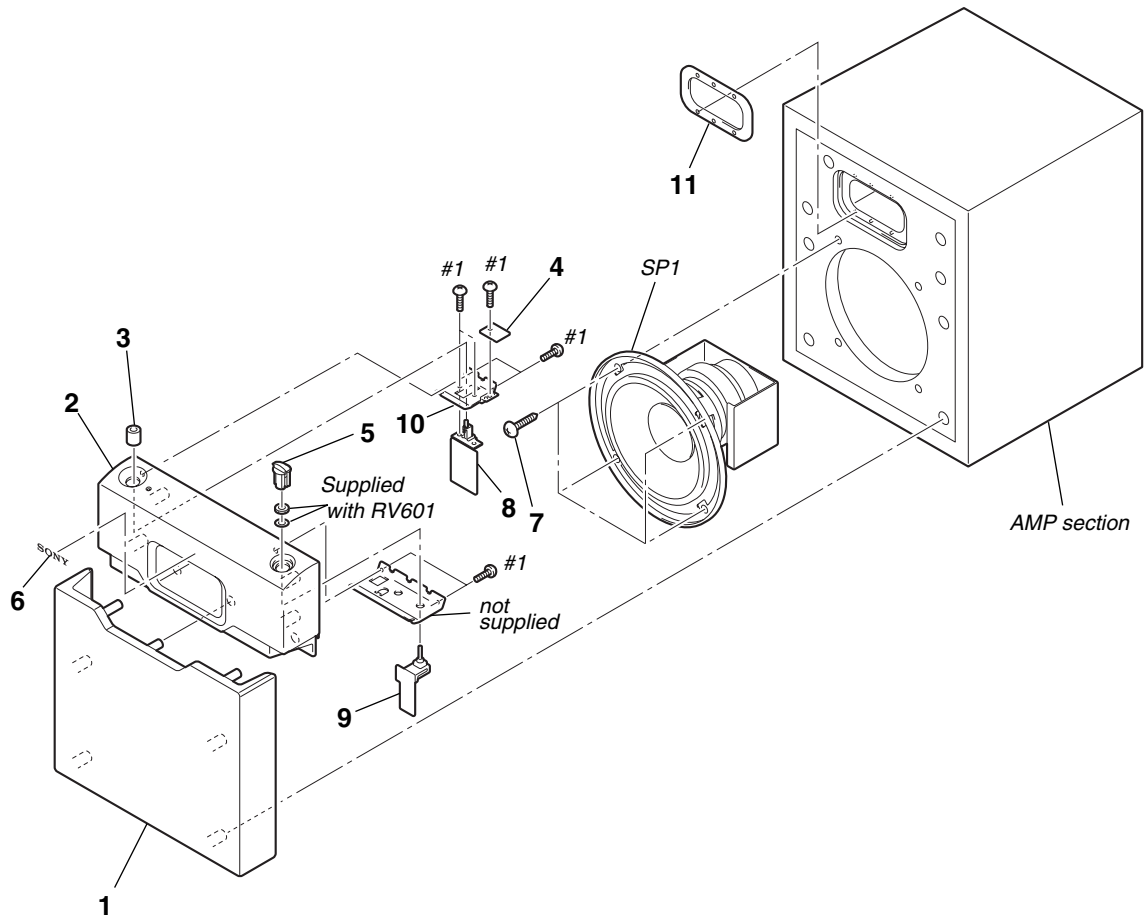
NOTE:

- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories and packing materials are given in the last of the electrical parts list.
- Abbreviation
  AR : Argentin model
  CND : Canadian model
  MX : Mexican model
  MY : Malaysia model
  SP : Singapore model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

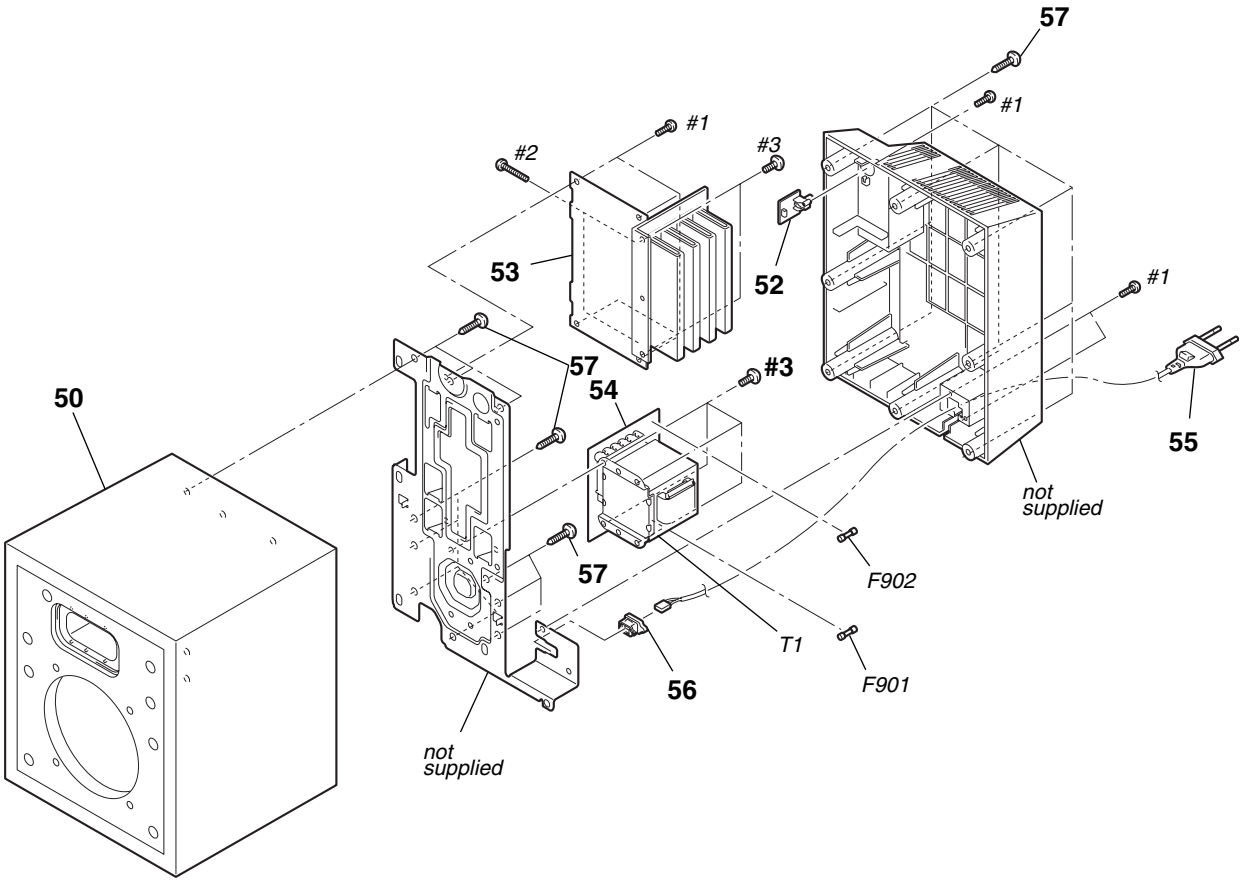
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

2-1. Front Section



Ref. No.	Part No.	Description	Remarks
1	X-4953-515-1	FRAME (SILVER) ASSY, GRILLE (SILVER)	
1	X-4953-516-1	FRAME (BLACK) ASSY, GRILLE (BLACK)	
2	4-232-530-01	PANEL, FRONT (SILVER) (WMSP2:UK,AEP,MY,SP,E)	
2	4-232-530-21	PANEL, FRONT (SILVER) (WMSP2:US,CND)	
2	4-232-530-31	PANEL, FRONT (BLACK) (WMSP2:US)	
2	4-232-530-41	PANEL, FRONT (SILVER) (WMSP4:AR,UK,AEP,MY,SP,E,MX)	
2	4-232-530-51	PANEL, FRONT (BLACK) (WMSP4:US)	
2	4-232-530-61	PANEL, FRONT (SILVER) (WMSP4:US,CND)	
3	4-973-938-81	KNOB (A), PUSH (SILVER)	
3	4-973-938-91	KNOB (A), PUSH (BLACK)	
4	1-684-031-11	LED BOARD	
5	4-232-527-01	KNOB, VOLUME (SILVER)	
5	4-232-527-11	KNOB, VOLUME (BLACK)	
6	4-998-417-02	EMBLEM (NO.5), SONY	
7	4-235-677-01	SCREW (4X20) (TYPE1), +BVTP	
8	1-684-030-11	SWITCH BOARD	
9	1-684-029-11	CONTROL BOARD	
10	4-232-531-01	PLATE, LIGHT GUIDE	
11	4-232-534-01	PACKING (DUCT)	
SP1	1-529-995-11	SPEAKER (20cm) (WMSP2)	
SP1	1-825-004-11	LOUD SPEAKER (WMSP4)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	

2-2. Amp Section



Ref. No.	Part No.	Description	Remarks
50	A-4735-752-A	SPEAKER CABINET ASSY (SILVER) (WMSP2:E,US,CND/WMSP4:AR,E,MX,US,CND)	
50	A-4735-942-A	SPEAKER CABINET ASSY (SILVER) (WMSP2:UK,AEP,MY,SP/WMSP4:UK,AEP,MY,SP)	
50	A-4735-944-A	SPEAKER CABINET ASSY (BLACK) (WMSP2:US/WMSP4:US)	
52	1-684-032-11	INPUT JACK BOARD	
53	A-4727-932-A	MAIN BOARD, COMPLETE (WMSP2)	
53	A-4727-938-A	MAIN BOARD, COMPLETE (WMSP4)	
54	1-684-033-11	POWER TRANS BOARD	
⚠55	1-769-744-11	CORD, POWER (UK,AEP,MY,SP)	
⚠55	1-783-528-11	CORD, POWER (TRACKING) (E)	
⚠55	1-783-820-11	CORD, POWER (US,CND,MX)	
⚠55	1-783-941-12	CORD, POWER (WMSP4:AR)	
* 56	3-703-244-00	BUSHING (2104), CORD	
57	4-235-677-01	SCREW (4X20) (TYPE1), +BVTP	
⚠F901	1-532-463-51	FUSE (T1AL/250V) (WMSP4:AR,UK,AEP,MY,SP)	
⚠F901	1-532-464-31	FUSE (T2.5AL/250V) (WMSP2:E/WMSP4:E)	
⚠F901	1-532-500-31	FUSE (T0.63AL/250V) (WMSP2:UK,AEP,MY,SP)	
⚠F901	1-532-744-11	FUSE, GLASS TUBE (2.5A/125V) (WMSP2:US,CND/WMSP4:US,CND,MX)	
⚠F902	1-532-502-51	FUSE (T1.25AL/250V) (WMSP2:E/WMSP4:E)	
⚠T1	1-437-657-11	POWER TRANSFORMER (WMSP2:E)	
⚠T1	1-437-658-11	POWER TRANSFORMER (WMSP2:UK,AEP,MY,SP)	
⚠T1	1-437-659-11	POWER TRANSFORMER (WMSP2:US,CND)	
⚠T1	1-437-660-11	POWER TRANSFORMER (WMSP4:AR,UK,AEP,MY,SP)	
⚠T1	1-437-661-11	POWER TRANSFORMER (WMSP4:US,CND,MX)	
⚠T1	1-437-662-11	POWER TRANSFORMER (WMSP4:E)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
#2	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	
#3	7-685-881-09	SCREW +BVTT 4X8 (S)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 3
ELECTRICAL PARTS LIST

CONTROL | INPUT JACK | LED | MAIN

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
  uF: µF
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA...: µA... , uPA... , µPA... , uPB... , µPB... , uPC... , µPC... , uPD..., µPD...
- Abbreviation
  AR : Argentin model
  CND : Canadian model
  MX : Mexican model
  MY : Malaysia model
  SP : Singapore model

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remarks
	1-684-029-11	CONTROL BOARD			
		**********			
		< CAPACITOR >			
C601	1-126-964-11	ELECT	10uF	20.00%	50V
		< CONNECTOR >			
CNP602	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
		< VARIABLE RESISTOR >			
RV601	1-227-364-11	RES, VAR, CARBON 20K (INPUT)			
**********					
	1-684-032-11	INPUT JACK BOARDB			
		**********			
		< JACK >			
J101	1-815-025-11	JACK, PIN 1P (INPUT)			
		< RESISTOR >			
R701	1-249-441-11	CARBON	100K	5%	1/4W
**********					
	1-684-031-11	LED BOARD			
		********			
		< CONNECTOR >			
* CN203	1-564-517-11	PLUG, CONNECTOR 2P			
		< DIODE >			
D201	8-719-058-03	DIODE SEL5423E-TP15 (POWER)			
**********					
	A-4727-932-A	MAIN BOARD, COMPLETE (WMSP2)			
	A-4727-938-A	MAIN BOARD, COMPLETE (WMSP4)			
		**********			
		< CAPACITOR >			
C101	1-128-813-11	CERAMIC	220PF	5%	50V
C102	1-126-964-11	ELECT	10uF	20.00%	50V
C103	1-126-964-11	ELECT	10uF	20.00%	50V
C104	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C105	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C106	1-136-169-00	MYLAR	0.22uF	5.00%	50V
C107	1-136-153-00	FILM	0.01uF	5%	50V
C201	1-126-964-11	ELECT	10uF	20.00%	50V
C217	1-128-813-11	CERAMIC	220PF	5%	50V
C301	1-128-813-11	CERAMIC	220PF	5%	50V
C302	1-126-964-11	ELECT	10uF	20.00%	50V
C303	1-104-665-11	ELECT	100uF	20.00%	10V
C304	1-126-968-11	ELECT	100uF	20.00%	50V
C305	1-126-968-11	ELECT	100uF	20.00%	50V
C306	1-126-964-11	ELECT	10uF	20.00%	50V
C307	1-126-967-11	ELECT	47uF	20.00%	50V
C308	1-126-964-11	ELECT	10uF	20.00%	50V
C309	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C310	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C311	1-162-199-31	CERAMIC	10PF	5%	50V
C312	1-128-813-11	CERAMIC	220PF	5%	50V
C313	1-128-813-11	CERAMIC	220PF	5%	50V
C401	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C402	1-136-165-00	MYLAR	0.1uF	5.00%	50V
C403	1-126-974-11	ELECT	3300uF	20.00%	50V (WMSP2)
C403	1-104-482-11	ELECT	4700uF	20.00%	63V (WMSP4)
C404	1-126-974-11	ELECT	3300uF	20.00%	50V (WMSP2)
C404	1-104-482-11	ELECT	4700uF	20.00%	63V (WMSP4)
C405	1-104-665-11	ELECT	100uF	20.00%	25V (WMSP2)
C405	1-126-968-11	ELECT	100uF	20.00%	50V (WMSP4)
C406	1-104-665-11	ELECT	100uF	20.00%	25V (WMSP2)
C406	1-126-968-11	ELECT	100uF	20.00%	50V (WMSP4)
C407	1-126-971-11	ELECT	470uF	20.00%	50V (WMSP4)
C408	1-126-971-11	ELECT	470uF	20.00%	50V (WMSP4)
C409	1-136-165-00	MYLAR	0.1uF	5.00%	50V (WMSP4)

MAIN

Ref. No.	Part No.	Description			Remarks
C410	1-136-165-00	MYLAR	0.1uF	5.00%	50V (WMSP4)
C411	1-126-964-11	ELECT	10uF	20.00%	50V
C412	1-126-964-11	ELECT	10uF	20.00%	50V
C501	1-126-963-11	ELECT	4.7uF	20.00%	50V
C502	1-126-949-11	ELECT	220uF	20.00%	35V
C503	1-126-934-11	ELECT	220uF	20.00%	10V
		< CONNECTOR >			
CN204	1-564-505-11	PLUG, CONNECTOR 2P			
CN301	1-564-320-00	PIN, CONNECTOR (B2P-VH) 2P			
CN402	1-785-101-11	PIN, CONNECTOR 3P (WMSP2)			
CN402	1-785-104-11	PIN, CONNECTOR 6P (WMSP4)			
CNP101	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
* CNP102	1-506-945-11	PIN, CONNECTOR 3P			
* CNP702	1-506-945-11	PIN, CONNECTOR 3P			
		< DIODE >			
D202	8-719-911-19	DIODE 1SS133T-72			
D301	8-719-911-19	DIODE 1SS133T-72			
D302	8-719-911-19	DIODE 1SS133T-72			
D304	8-719-911-19	DIODE 1SS133T-72			
D401	8-719-500-56	DIODE D3SBA20 (WMSP2)			
D401	8-719-302-38	DIODE RBV-602-01 (WMSP4)			
D402	8-719-024-99	DIODE 11ES2-NTA2B (WMSP4)			
D403	8-719-024-99	DIODE 11ES2-NTA2B (WMSP4)			
D404	8-719-110-31	DIODE MTZJ-T-72-12B			
D405	8-719-110-31	DIODE MTZJ-T-72-12B			
D501	8-719-911-19	DIODE 1SS133T-72			
D502	8-719-911-19	DIODE 1SS133T-72			
		< TERMINAL >			
* G1	1-537-738-11	TERMINAL, EARTH (WMSP2)			
* G1	1-537-738-21	TERMINAL, EARTH (WMSP4)			
* G2	1-537-738-11	TERMINAL, EARTH (WMSP2)			
* G2	1-537-738-21	TERMINAL, EARTH (WMSP4)			
		< IC >			
IC101	8-759-636-74	IC M5218AP-22			
IC202	8-759-636-74	IC M5218AP-22			
IC301	6-600-090-01	IC STK404-090S (WMSP2)			
IC301	6-600-091-01	IC STK404-130S (WMSP4)			
		< TRANSISTOR >			
Q501	8-729-119-78	TRANSISTOR	2SC2785TP-E		
Q502	8-729-178-42	TRANSISTOR	2SC2784-EFP-TP		
Q503	8-729-119-78	TRANSISTOR	2SC2785TP-E		
Q504	8-729-029-86	TRANSISTOR	DTC124ESA-TP		
Q505	8-729-119-78	TRANSISTOR	2SC2785TP-E		
		< RESISTOR >			
R102	1-249-441-11	CARBON	100K	5%	1/4W
R105	1-249-441-11	CARBON	100K	5%	1/4W
R106	1-247-895-00	CARBON	470K	5%	1/4W
R107	1-247-887-00	CARBON	220K	5%	1/4W
R108	1-249-429-11	CARBON	10K	5%	1/4W

Ref. No.	Part No.	Description			Remarks
R109	1-249-441-11	CARBON	100K	5%	1/4W
R110	1-249-433-11	CARBON	22K	5%	1/4W
R111	1-247-887-00	CARBON	220K	5%	1/4W
R112	1-249-433-11	CARBON	22K	5%	1/4W
R201	1-215-894-11	METAL OXIDE	2.2K	5%	2W (WMSP2)
R201	1-215-920-11	METAL OXIDE	3.3K	5%	3W (WMSP4)
R202	1-249-417-11	CARBON	1K	5%	1/4W F
R301	1-249-425-11	CARBON	4.7K	5%	1/4W F
R302	1-249-437-11	CARBON	47K	5%	1/4W
R303	1-249-413-11	CARBON	470	5%	1/4W F
R304	1-215-886-11	METAL OXIDE	100	5%	2W
R305	1-249-437-11	CARBON	47K	5%	1/4W
R306	1-249-425-11	CARBON	4.7K	5%	1/4W F
R307	1-249-425-11	CARBON	4.7K	5%	1/4W F
⚠ R308	1-233-352-41	ENCAPSULATED COMPONENT			0.22X2
R309	1-249-409-11	CARBON	220	5%	1/4W F (WMSP2)
R310	1-249-393-11	CARBON	10	5%	1/4W F
R311	1-215-868-00	METAL OXIDE	680	5%	1W
R312	1-249-433-11	CARBON	22K	5%	1/4W
R313	1-249-429-11	CARBON	10K	5%	1/4W (WMSP4)
⚠ R314	1-217-637-00	FUSIBLE	1	5%	1/4W
R315	1-249-437-11	CARBON	47K	5%	1/4W (WMSP4)
R401	1-215-892-11	METAL OXIDE	1K	5%	2W
R402	1-215-892-11	METAL OXIDE	1K	5%	2W
⚠ R403	1-217-637-00	FUSIBLE	1	5%	1/4W (WMSP4)
⚠ R404	1-217-637-00	FUSIBLE	1	5%	1/4W (WMSP4)
R500	1-249-421-11	CARBON	2.2K	5%	1/4W F
R501	1-249-429-11	CARBON	10K	5%	1/4W
R502	1-249-437-11	CARBON	47K	5%	1/4W
R503	1-249-441-11	CARBON	100K	5%	1/4W
R504	1-249-441-11	CARBON	100K	5%	1/4W
R505	1-249-433-11	CARBON	22K	5%	1/4W
R506	1-249-433-11	CARBON	22K	5%	1/4W
R507	1-249-425-11	CARBON	4.7K	5%	1/4W F
R508	1-249-417-11	CARBON	1K	5%	1/4W F
		< RELAY >			
RY301	1-515-920-11	RELAY (24V)			

****

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

POWER TRANS | SWITCH

Ref. No.	Part No.	Description	Remarks
	1-684-033-11	POWER TRANS BOARD	
		**********	
	1-533-233-11	HOLDER, FUSE	
		< CAPACITOR >	
⚠C2	1-113-924-11	CERAMIC 0.0047uF 20.00% 250V	
		< CONNECTOR >	
CN1	1-564-321-00	PIN, CONNECTOR 2P	
* CN2	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P	
		< SWITCH >	
⚠S2	1-762-753-11	SWITCH, VOL-SEL (VOLTAGE SELECTOR) (E)	
**********			
	1-684-030-11	SWITCH BOARD	
		**********	
		< CAPACITOR >	
⚠C901	1-113-924-11	CERAMIC 0.0047uF 20.00% 250V	
		< CONNECTOR >	
CN3	1-564-321-00	PIN, CONNECTOR 2P	
		< SWITCH >	
⚠S901	1-786-325-11	SWITCH, POWER (POWER)	
**********			

Ref. No.	Part No.	Description	Remarks
		MISCELLANEOUS	
		**********	
⚠15	1-769-744-11	CORD, POWER (UK,AEP,MY,SP)	
⚠15	1-783-528-11	CORD, POWER (TRACKING) (E)	
⚠15	1-783-820-11	CORD, POWER (US,CND,MX)	
⚠15	1-783-941-12	CORD, POWER (AR)	
⚠F901	1-532-463-51	FUSE (T1AL/250V) (WMSP4:AR,UK,AEP,MY,SP)	
⚠F901	1-532-464-31	FUSE (T2.5AL/250V) (WMSP2:E/WMSP4:E)	
⚠F901	1-532-500-31	FUSE (T0.63AL/250V) (WMSP2:UK,AEP,MY,SP)	
⚠F901	1-532-744-11	FUSE, GLASS TUBE (2.5A/125V) (WMSP2:US,CND/WMSP4:US,CND,MX)	
⚠F902	1-532-502-51	FUSE (T1.25AL/250V) (WMSP2:E/WMSP4:E)	
SP1	1-529-995-11	SPEAKER (20cm) (WMSP2)	
SP1	1-825-004-11	LOUD SPEAKER (WMSP4)	
⚠T1	1-437-657-11	POWER TRANSFORMER (WMSP2:E)	
⚠T1	1-437-658-11	POWER TRANSFORMER (WMSP2:UK,AEP,MY,SP)	
⚠T1	1-437-659-11	POWER TRANSFORMER (WMSP2:US,CND)	
⚠T1	1-437-660-11	POWER TRANSFORMER (WMSP4:AR,UK,AEP,MY,SP)	
⚠T1	1-437-661-11	POWER TRANSFORMER (WMSP4:US,CND,MX)	
⚠T1	1-437-662-11	POWER TRANSFORMER (WMSP4:E)	
**********			
		ACCESSORIES	
		**********	
⚠	1-569-008-21	ADAPTOR, CONVERSION 2P (E)	
⚠	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
**********			
		**********	
		HARDWARE LIST	
		**********	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
#2	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	
#3	7-685-881-09	SCREW +BVTT 4X8 (S)	

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REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2002.02	New

SS-CNP2/CRP2/MSP2

SERVICE MANUAL

Ver 1.0 2002. 02

US Model
Canadian Model
AEP Model
UK Model
E Model

SS-CNP2 SS-MSP2

- SS-CRP2 is the speaker section in HT-DDW740/DDW840.

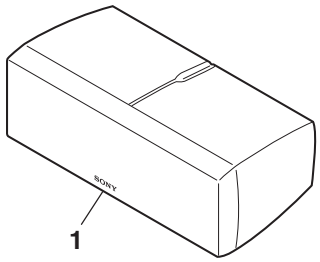
- SS-CRP2 is composed of following models.

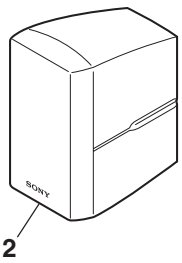
SS-CRP2	
FRONT and SURROUND speakers	SS-MSP2
CENTER speaker	SS-CNP2

SPECIFICATIONS

Speaker system	Full range, magnetically shielded
Speaker units	70 mm 100 mm cone type
Enclosure type	Bass reflex
Rated Impedance	8 ohms
Power handling capacity (Maximum input power)	100 W
Sensitivity level	85 dB (1 W, 1 m)
Frequency range	160 Hz – 20,000 Hz
Dimensions (w/h/d)	
SS-MSP2	Approx. 81 141 121 mm (3 1/4 5 5/8 4 7/8 inches)
SS-CNP2	Approx. 230 81 121 mm (9 1/8 3 1/4 4 7/8 inches)
Mass	
SS-MSP2	0.8 kg (1 lb 13 oz)
SS-CNP2	1.0 kg (2 lb 4 oz)

EXPLODED VIEW AND PARTS LIST





Ref. No.	Part No.	Description
1	A-4467-568-A	OVERALL ASSY (SILVER) (SS-CNP2)
1	A-4467-806-A	OVERALL ASSY (BLACK) (SS-CNP2)
2	A-4467-570-A	OVERALL ASSY (SILVER) (SS-MSP2)
2	A-4467-805-A	OVERALL ASSY (BLACK) (SS-MSP2)

SPEAKER SYSYTEM

9-873-476-01
2002B1600-1

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